HUB CYCLE & AUTO SUPPLY CO., INC.

Bicycles

Tires

Children's Vehicles

19-37 PORTLAND STREET
BOSTON, MASSACHUSETTS

TERMS

Thirty days net, or two per cent discount if paid within ten days from date of invoice.

If you are not commercially rated, please send references with order or permit us to send C. O. D. by remitting sufficient amount with order to insure charges both ways.

All goods returned must have charges prepaid.

Returns—Before returning merchandise for credit or exchange, write us fully in each case, as we may desire to make other arrangements for its disposition. When returning goods, always mark your name and address plainly on the package and mail us memorandum invoice, stating date of purchase, etc.

All merchandise returned for credit without our written permission will be held subject to owner's risk.

Prices are subject to change without notice.

RADIO

Distributors of

Acme Apparatus
Acme Wire (Celatsite)
All American Transformers
Allen Bradley Co. (Bradleystats, etc.)
Amsco
Atwater-Kent
B-Metal Crystals
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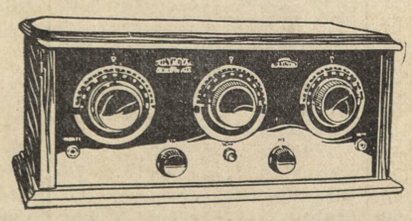
Exclusive New England Distributors for

POLYROYAL
Radio Sets



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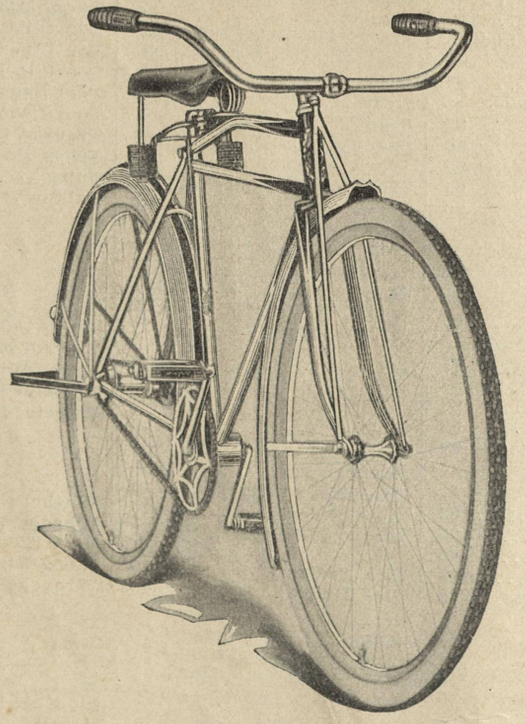
POPE BICYCLES



MODEL NO. 110 POPE MOTORBIKE

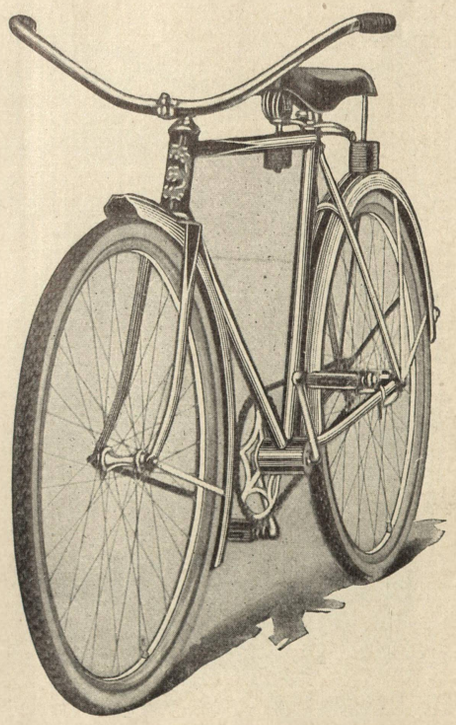
Made by the Westfield Manufacturing Co.

Price, $41.00

SPECIFICATIONS

Height—19 and 21 inch.
Color—Westfield Red with Black Head, and Blue with Black Head.
Brake—New Departure.
Tires—Federal Traffik.
Bars—Motorbike.
Grips—Rubber Grips, Motorcycle Type.
Saddle—Motorbike.
Pedals—Rubber, Motorcycle.
Guards—Enameled to match. Red jewel on rear.
Stand—Enameled to match.
Fork—Truss with drop forged crown.

POPE BICYCLES



MODEL NO. 70 POPE

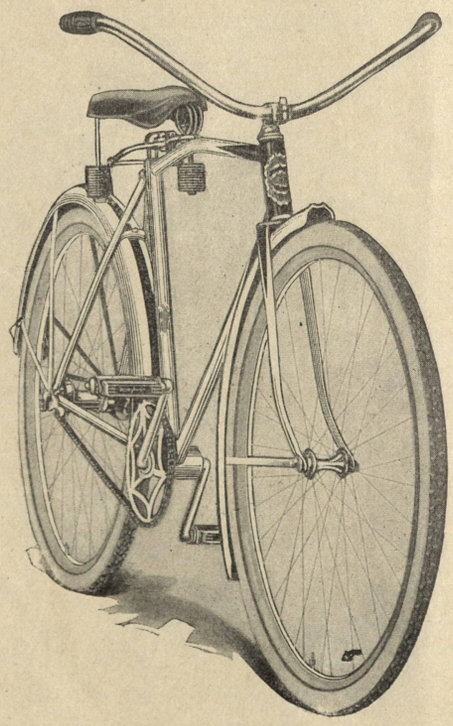
Made by the Westfield Manufacturing Co.

Price, $37.50

SPECIFICATIONS

Height—20 and 22-inch.
Color—Westfield Red with Black Head, and Blue with Black Head.
Brake—New Departure.
Tires—Federal Traffik.
Bars—No. 6-22.
Extensions—⅞-inch.
Grips—Rubber, Ebony Finish.
Saddle—Motorbike.
Pedals—Rubber.
Guards—To match with Red Jewel on rear.
Hub—Pope front, 36 spokes.

POPE BICYCLES



MODEL NO. 90 POPE

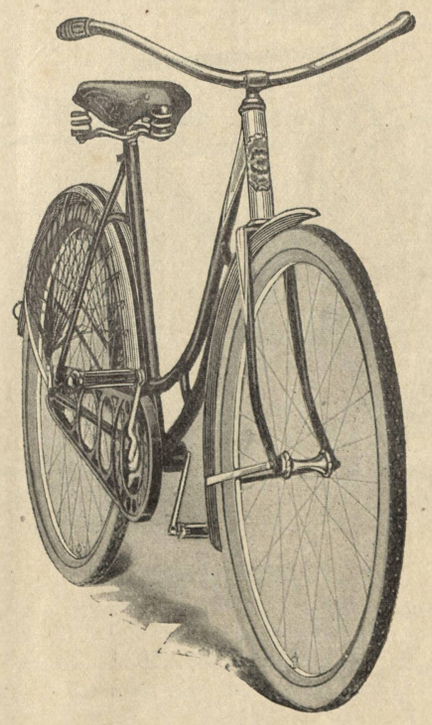
Made by the Westfield Manufacturing Co.

Price, $37.50

SPECIFICATIONS

Frame—18 inch drop, can be used for 20 inch.
Wheels—28 inch. Pope Front Hub.
Finish—Westfield Red with Black Head and Blue with Black Head.
Tires—Federal Traffik.
Saddle—Motorbike.
Gear—26 and 10 Tooth Sprocket.
Handle Bars—22 x 4 Forward Extension Stem.
Grips—Rubber, Ebony Finish.
Pedals—Rubber.
Brake—New Departure.
Cranks—Pope One Piece.

POPE BICYCLES



LADIES' POPE ROADSTER, MODEL NO. 75PL

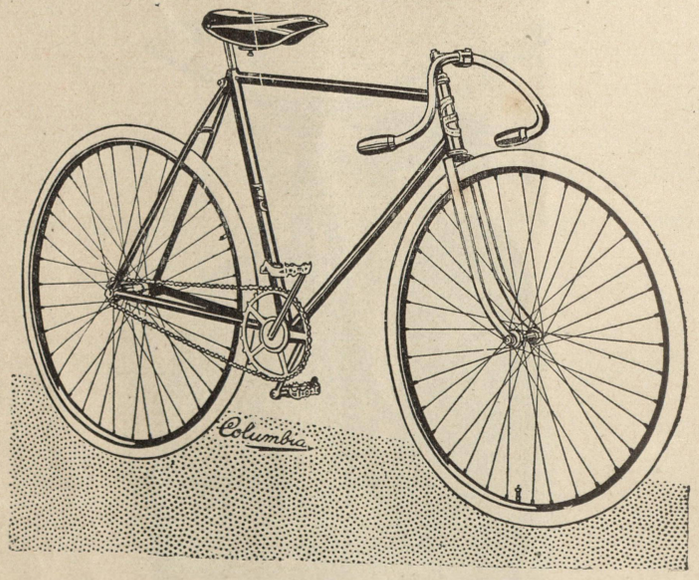
Made by the Westfield Manufacturing Co.

Price, $40.00

SPECIFICATIONS

Height—20 in.
Color—Black with Gold Stripes.
Brake—New Departure.
Tires—Federal Traffik.
Bars—Regular, 20 x 4.
Grips—Rubber, Ebony Finish.
Saddle—Persons Ladies'.
Pedals—Rubber.

POPE BICYCLES



MODEL NO. 53P

Price, $37.50

SPECIFICATIONS

Frame—Short wheel base, 7/8″ main frame tubes. Regular height, 21″.

Finish—Black with fancy head, regular.

Fork—No. 138 short sides—enameled.

Cranks—One-piece crank hanger, 6½″ cranks.

Gear—24 and 8 tooth sprockets, 3-16″ roller chain.

Wheels—Straight barrel hubs. No. 2 spokes, .056″-.072″, 36 front and rear.

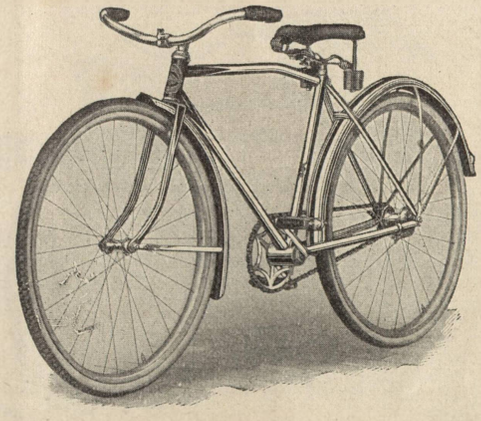
Handle Bar—17″ Racer, extension. New Ebony Finish Rubber Grips, 3½″.

Saddle—Mesinger E Racer.

Tires—Fisk Cord Road Racer 28″ by 1¼″.

Pedals—Star Racing No. 4.

POPE BICYCLES



BOYS' JUVENILE

The Boys' Juvenile Model is built according to the same standards of high-grade workmanship as the adult models, and is supplied in a 17″ frame height with the upper main frame tube dropped at the seat post, permitting the saddle to be lowered or raised according to the youngster's own height.

Price, $34.00

Frame—17-inch, Dropped at Seat.

Finish—Westfield Red with Black Head and Blue with Black Head.

Tires—Fisk Juvenile.

Saddle—Juvenile, First Quality.

Gear—22-10.

Handle Bars—18 x 3.

Grips—Rubber.

Pedals—Juvenile Rubber.

Brake—New Departure.

Cranks—Pope One Piece.

Guards—To Match with Red Jewel on Rear.

POPE BICYCLES

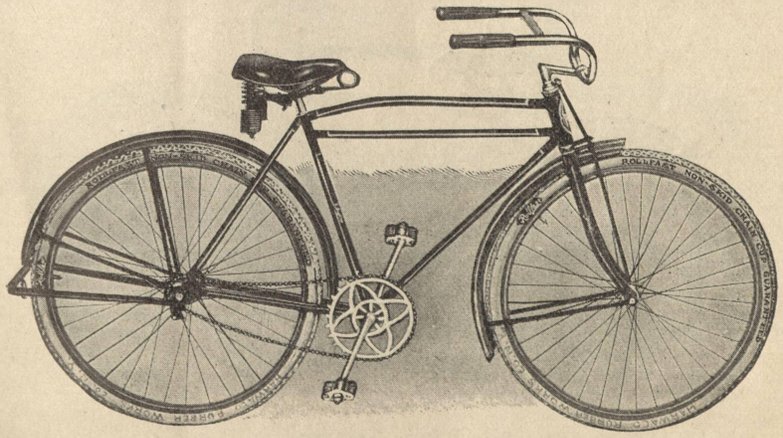
GIRLS' JUVENILE

The Girls' Juvenile Model is equipped with a new style drop side guard having a laced net rear skirt guard to protect the little girl's clothing. This model is supplied in the 17" frame height, is patterned after the Ladies' Model, and is equipped with a New Departure Coaster Brake.

Price, $34.00

Frame—17-inch
Finish—Westfield Red with Black Head and Blue with Black Head.
Tires—Fisk Juvenile.
Saddle—Girls' Juvenile, First Quality.
Gear—22-10.
Handle Bars—18 x 3, Straight Stem.
Grips—Rubber.
Pedals—Juvenile Rubber.
Brake—New Departure.
Cranks—Pope One Piece.
Guards—To Match.

BICYCLES



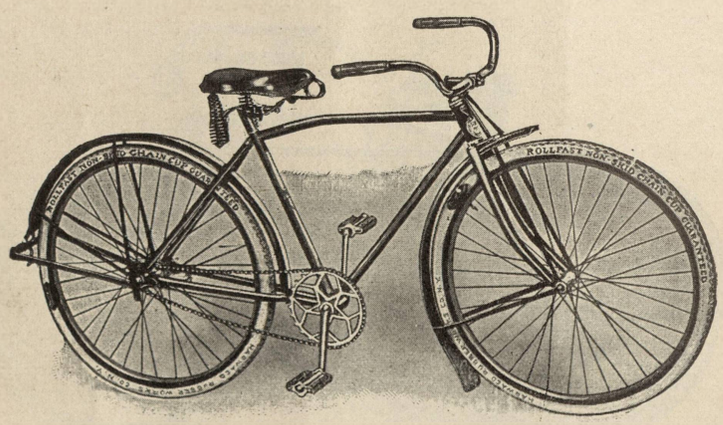
MODEL NO. 40 MOTORBIKE

Price, $38.00

SPECIFICATIONS

Size—19 in. frame—28 in. wheel.
Handle Bar—Braced Motorbike.
Grips—Long rubber.
Saddle—Motorbike.
Pedals—No. 4 Torrington rubber.
Tires—Empire White Studded.
Coaster Brake—New Departure.
Guards—Drop side.
Colors—Cherry and White and Blue and White.

BICYCLES



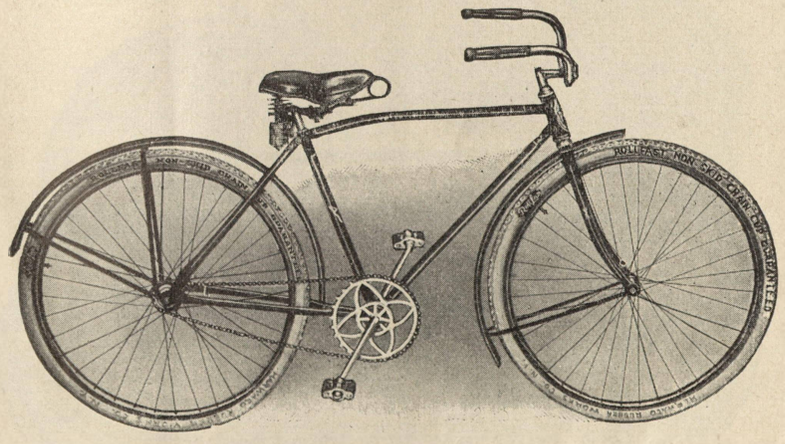
MODEL NO. 30 BIKEABOUT

Price, $38.50

SPECIFICATIONS

Sizes—20/18 in. frame—28 in. wheel.
Handle Bar—Boy Scout.
Grips—Long rubber.
Saddle—Motorbike.
Pedals—No. 4 Torrington rubber.
Tires—Empire White Studded.
Coaster Brake—New Departure.
Fork—Truss.
Colors—Cherry and White and Blue and White.
Stand—Extra.

BICYCLES



MODEL NO. 20

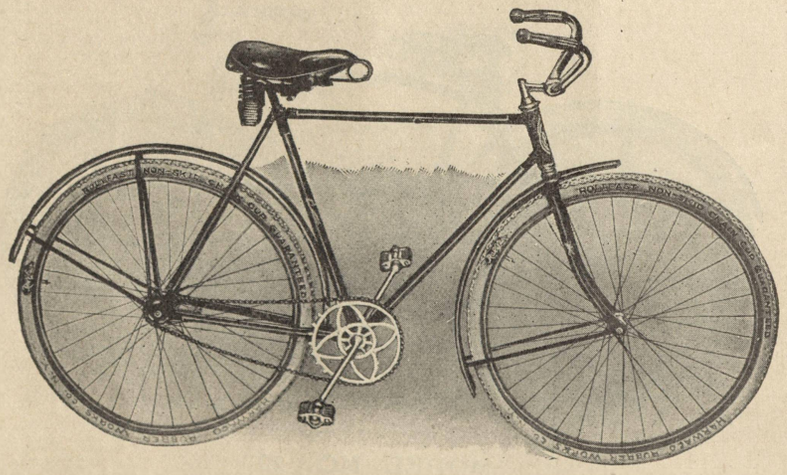
Price, $35.00

A bicycle of new design having 28-inch wheels with a slight drop on the seat post mast which allows its being used as an 18-inch frame or when seat post is raised can be used as a 20-inch frame.

SPECIFICATIONS

Frame—18-inch.
Color—Cherry and White and Blue and White.
Tires—Empire Studded.
Bars—20 or 22-inch.
Grips—Rubber.
Saddle—Motorbike.
Pedals—Rubber.
Guards.
Coaster Brake—New Departure.

BICYCLES



MODEL NO. 10

Price, $35.00

SPECIFICATIONS

Height—22-inch.

Colors—Cherry and White and Blue and White.

Tires—Empire White Studded.

Bars—No. 6.

Grips—Rubber.

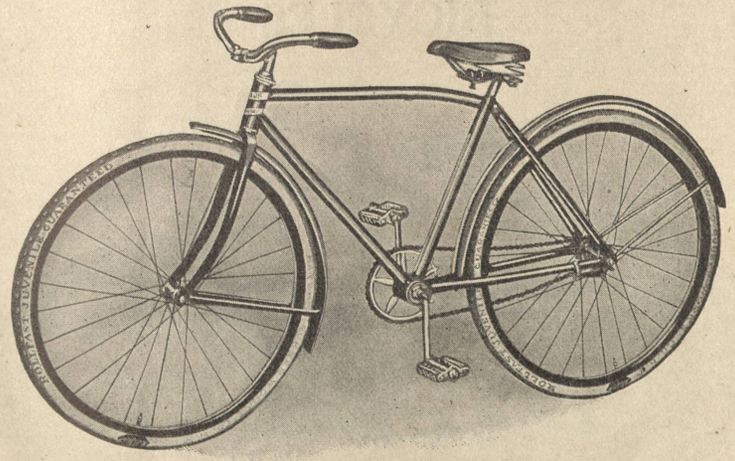
Saddle—Motorbike.

Pedals—Rubber.

Guards—Drop side.

Brake—New Departure.

BICYCLES

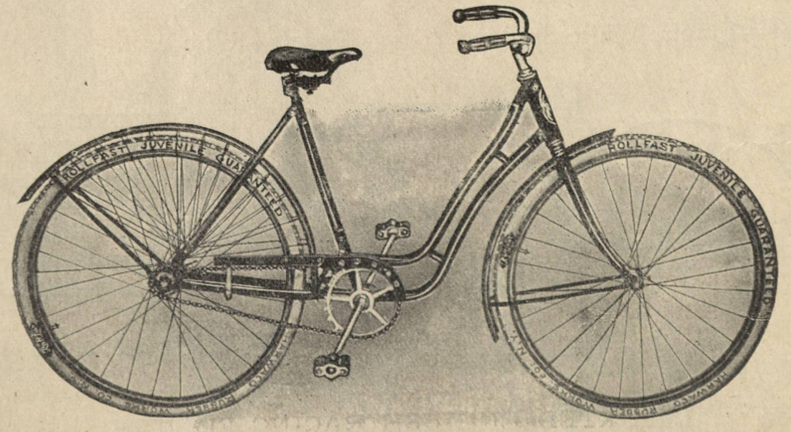


Boys' Puritan Bicycles, Juvenile
Girls', 24 in. and 26 in., Price, $35.00
Boys', 26 in., Price, $33.00
Complete with Brake.

SPECIFICATIONS

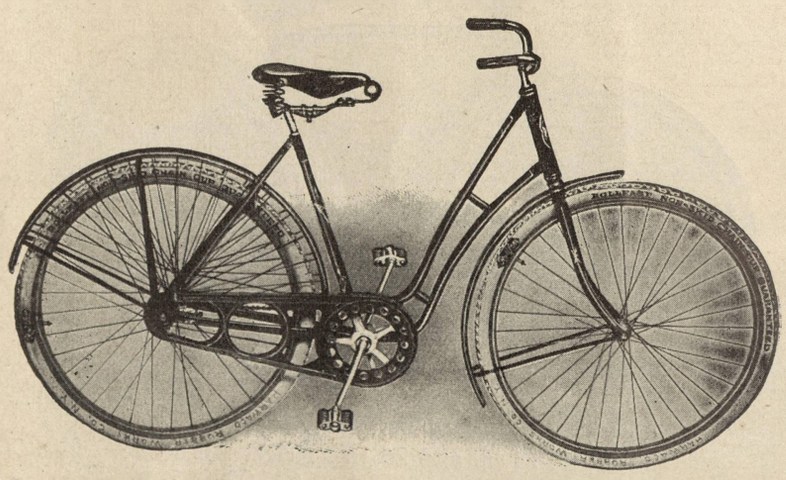
Frame—26 inch, 18 inches.
Finish—Black with fancy head—cherry and green.
Rims—Enameled to match frame.
Hanger—One piece.
Chain—Roller, 3-16 inch.
Gear—65.
Saddle—Juvenile.
Handle Bars—Regular.
Grips—Wound leather.
Pedals—Juvenile Standard.
Tires—Red Studded.

Girls' Puritan, Juvenile



Equipment same as above.

BICYCLES

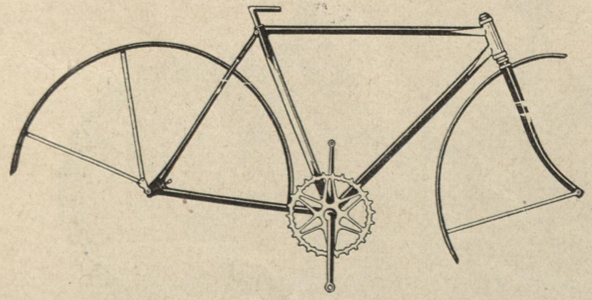


MODEL NO. 65L

Price, $37.50

SPECIFICATIONS

Height—20-inch.
Color—Black.
Brake—New Departure.
Tires—Empire White Studded.
Bars—No. 4.
Grips—Long rubber.
Saddle—Ladies' Trophy.
Pedals—Rubber.



BICYCLE FRAMES

Enameled—Berkshire Blue and Maroon with double gold stripes, 20 and 22-inch—with mudguard and nickel triple plate fork.

Price, $17.50

IMPORTED ENGLISH RACING FRAMES

21" Black Finish 3-Piece Hangers.....$27.50

GOLD MEDAL BICYCLES

D.P.H.MFG.CO.

GOLD MEDAL

FINISH

OXBLOOD Red with Gold head and seat post mast, Vermillion Red outline, rims and guards to match.

Option: Ebony Black with Gold head and seat post mast.

Racer model No. 305 finished with nickel head and full nickel fork.

EQUIPMENT

Rollfast Non Skid Chain Cup tires are furnished on all models except the Racer, Motobike padded saddles, Torrington rubber pedals, Rollfast handle bars, rubber grips, drop side guards, New Departure coaster brake, one-piece drop forged hanger, roller chains 3/16 x 1. Rollfast patented braced bar and stand on Motobike model No. 304.

Racer equipped with Rollfast Road Racer tires, Track Racer saddle, Torrington Star racing pedals, racing handle bar, rubber grips, racing hubs on front and rear wheels.

Optional Equipment as requested at prevailing prices.

No. 303
Camel Back

No. 304
Motobike

Rollfast Non-Skid Chain Cup Guaranteed Tire (All White).

1. *Finest Grade White Rubber, Extra Thick Tread*
2. *Extra Fine Sea Island Heavy Motor Cycle Fabric*
3. *Layer Heavy White Rubber*
4. *Extra Fine Sea Island Heavy Motor Cycle Fabric*
5. *Heavy Pure Gum White Tube*

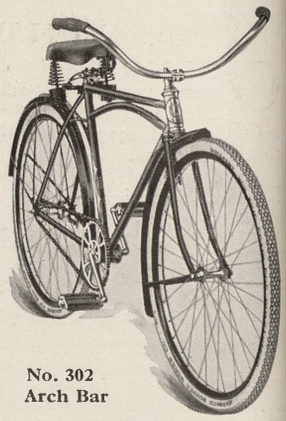
Nationally Known and Appreciated

ALL-WAYS

GOLD MEDAL BICYCLES

No. 301
Roadster

No. 305
Racer

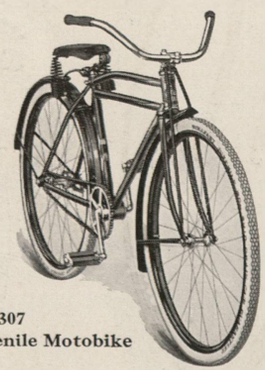


No. 302
Arch Bar

SPECIFICATIONS

No. 301	**Roadster.**	Sizes 20 inch and 22 inch frames, 28 inch wheels
No. 302	**Arch Bar.**	Sizes 20 inch and 22 inch frames, 28 inch wheels.
No. 303	**Camel Back.**	With truss fork. Size 20 inch frame drop to 18 inches, 28 inch wheels
No. 304	**Motobike.**	Sizes 20/18 and 22/20 inch frames, 28 inch wheels
No. 305	**Racer.**	Sizes 20 inch and 22 inch frames, 28 inch wheels
No. 306	**Women's.**	Sizes 19 inch and 21 inch frames, 28 inch wheels
No. 307	**Juvenile Motobike.**	Size 18 inch frame drop to 16 inches, 26 inch wheels
No. 308	**Girls' Juvenile.**	Size 18 inch frame, 26 inch wheels Size 17 inch frame, 24 inch wheels Size 15 inch frame, 20 inch wheels
No. 309	**Boys' Juvenile.**	Camel back frame, regular fork. Size 18 inch frame drop to 16 inches, 26 inch wheels Size 17 inch frame drop to 15 inches, 24 inch wheels Size 15 inch frame drop to 14 inches, 20 inch wheels

No. 306
Women's



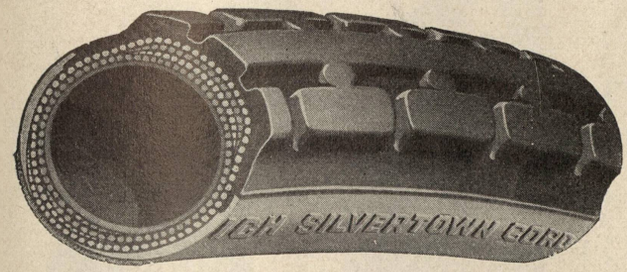
No. 307
Juvenile Motobike

No. 308
Girls' Juvenile

When ordering specify model number, size and color

ALL-WAYS

Goodrich Silvertown Cord

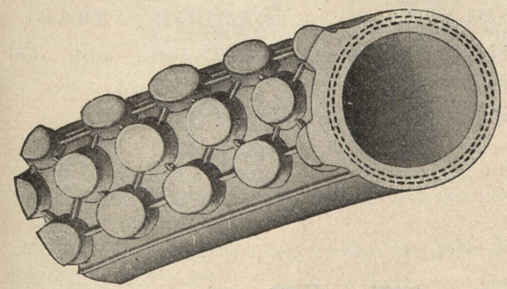


Size 28-inch .....Per pair **$7.50**
28x1⅛ Safety .....Per pair **7.50**
28x1⅛ Ribbed .....Per pair **7.50**

PALMER ROADSTER
28-inch .....Per pair **$10.00**

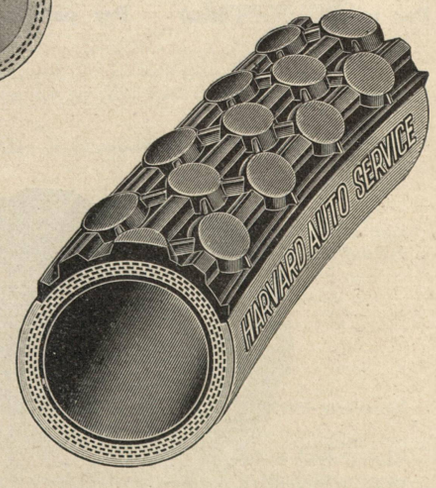
PALMER RACER
28-inch .....Per pair **$10.00**

Goodrich No. 55



Size 28-inch .....Per pair **$5.50**
Size 26-inch .....Per pair **5.00**

Harvard Auto Service

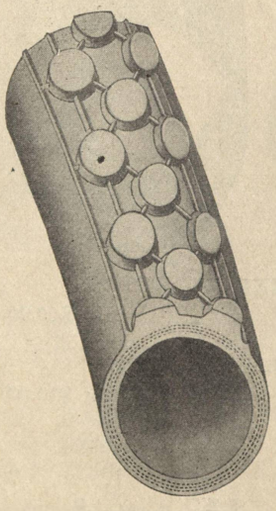


White with large Studded Black Tread—Three-ply fabric all around.
Price, per pair, $6.50

Aviator Racer

Sizes 28x1⅛ and 1¼.....Per pair **$5.50**

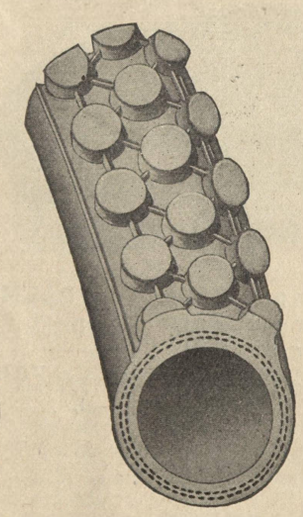
TIRES



BOSTON THORN-PROOF

White side walls and red tread

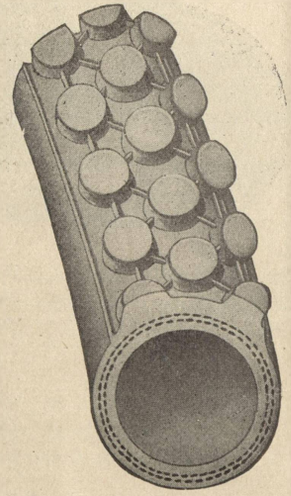
Per pair $5.00



BOSTON WHITE FLYER

All white, with heavy studded tread—3 ply

Per pair $5.00

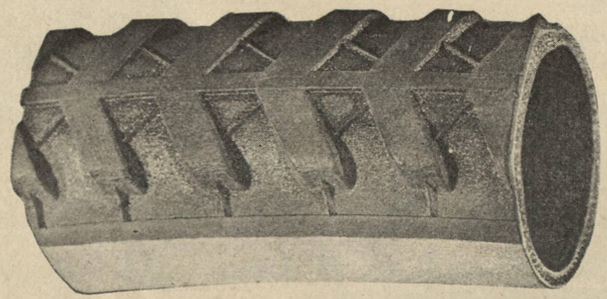


GRANITE (TOUGH TREAD)

White sides with red tread

Size, 28 inch

Per pair $5.00

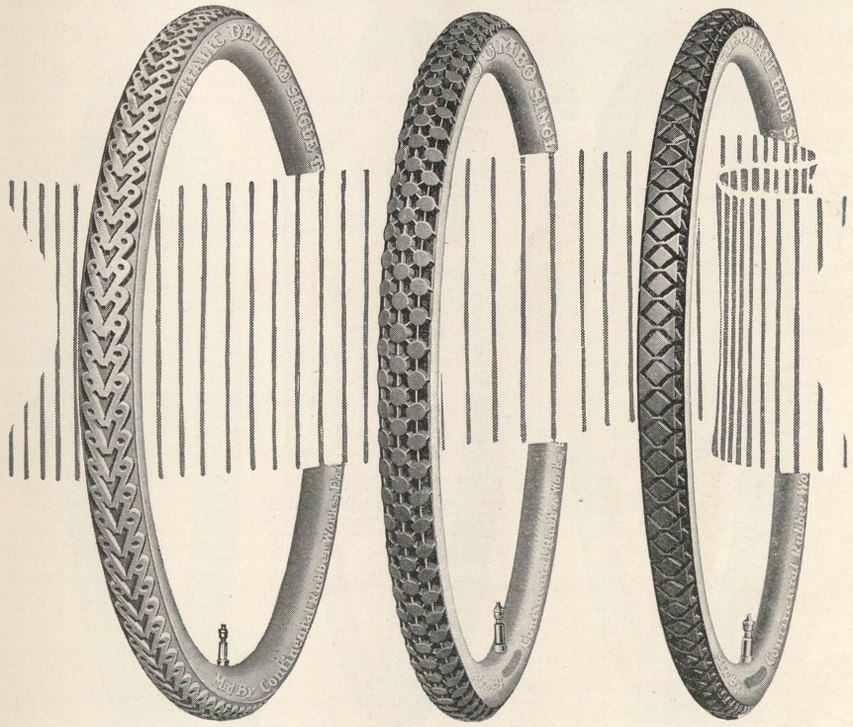


VICTOR ARROW TREAD

White Sides with Red Arrow Tread

Size, 28 inch Per Pair, $5.00

VITALIC LINE BICYCLE TIRES



Vitalic de Luxe **Jumbo** **Elephant Hide**

The Vitalic de Luxe Tire is the recognized standard of tire building. For eleven years the quality has been unchanged and this is borne out by the fact that VITALIC TIRES have never had an off year.

Furnished in sizes 28 x 1⅜, 1½ and 1⅝. Also in Juvenile sizes to fit 26 and 24" rims. Price $7.50 per pair.

The Jumbo, a medium priced tire of high grade regular fabric construction. The big, husky studded tread is carried by a strong carcass of three plies of heavy bicycle fabric, with creamy white side walls and a thick rubber inner tube.

Furnished to fit 28" rims. Price $6.00 per pair.

Every Jumbo Tire bears the Vitalic seal of Dependability.

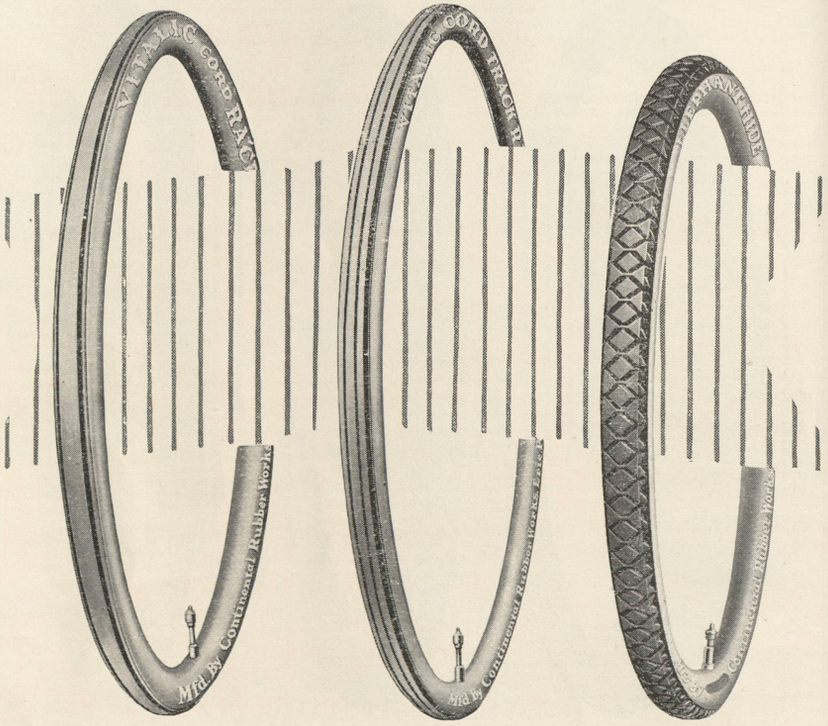
The Elephant Hide, a moderately priced tire that offers a new and improved standard of value and service for the money.

The non-skid tread, is thick, black and glistening, the side walls are white high grade rubber and tire is built with two plies of heavy bicycle fabric with an extra fabric strip on the tread, where additional strength is needed.

Furnished to fit 28" rims. Price, $5.00 per pair.

Every Elephant Hide Tire bears the Vitalic Seal of Dependability.

VITALIC LINE BICYCLE TIRES



Vitalic Cord Racer | **Vitalic Track Racer** | **Elephant Hide Juvenile**

The Vitalic Cord Racer. An over-sized racing tire of Vitalic quality, peculiarly adapted for both track and road work. This tire is built both for speed and service. Furnished in raised tread, with side ribs in sizes 26 x 1¼, 28 x 1⅛ and 1¼".

Price, $7.00 per pair.

Vitalic Cord Track Racer. Built along the same lines as the Cord Racer, except that it is made in standard racing size and with ribbed tread to prevent skidding when going at high speed around curves.

Furnished in size 28 x 1⅛.

Price, $6.50 per pair.

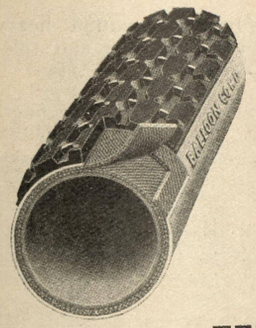
Elephant Hide Juvenile Tire. The same high grade construction exactly as the 28" construction,—furnishing a tire that will give greatest satisfaction under the severe service to which a juvenile tire is subjected. Sizes 26 x 1½ and 24 x 1⅜".

FEDERAL BICYCLE TIRES

A Standard Quality Line

FEDERAL CORD BALLOON

SINGLE TUBE



Made with two plies all around good quality cord fabric with a black tread of a very attractive design, white sidewalls and with flannelette rim strip. Constructed to PREVENT CREEPING ON RIM and to fit all 28" standard rims.

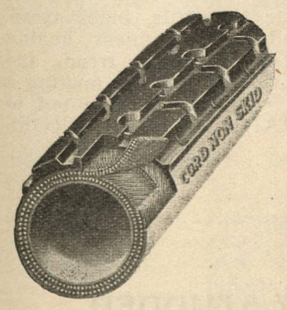
Recommended air pressure, 22 lbs.

Price per Pair.....

FEDERAL CORD NON-SKID

(Full Size)

SINGLE TUBE

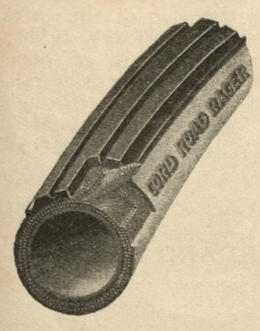


Built with two plies all around finest quality bicycle cord fabric, extra heavy inner tube, heavy sidewall, and with flannelette rim strip. The tread is heavy and of very attractive non-skid design, white sidewalls, black tread. A tire we are proud to market and guarantee.

Sizes Furnished	Price per Pair
S. T.—28x1½" only	.....
S. C.—28x1½" only	.....
D. C.—28x1⅜", 28x1½"	.....

FEDERAL CORD ROAD RACER

SINGLE TUBE



Built with tough, smooth-running tread, narrow cross section, and resilient cord carcass. This makes a light yet strong tire, ideal for road racing.

Furnished with white sidewalls, wide corrugated black tread, two plies all around cord fabric, and with flannelette rim strip. WILL NOT CREEP ON RIM.

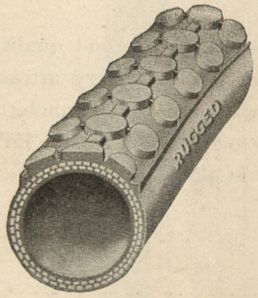
Sizes Furnished	Price per Pair
28x1⅛"	.....
28x1¼"	.....

FEDERAL BICYCLE TIRES

A Standard Quality Line

FEDERAL RUGGED

SINGLE TUBE



Constructed of two plies all around heavy motor fabric, extra heavy inner tube and sidewall, wide heavy tread of the studded type.

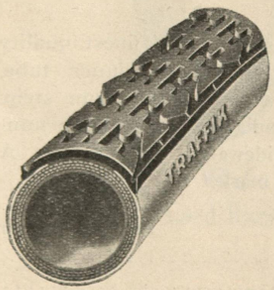
Furnished in all white color of the finest quality rubber. MADE IN FULL CROSS SECTION SIZE.

Sizes Furnished	Price per Pair
S. T.—28x1½" only	
S. C.—28x1⅜", 28x1½"	
D. C.—28x1⅜", 28x1½"	

Note—28x1⅝" furnished in single clinch or double clinch types at additional per pair, **15c.**

FEDERAL TRAFFIK

SINGLE TUBE

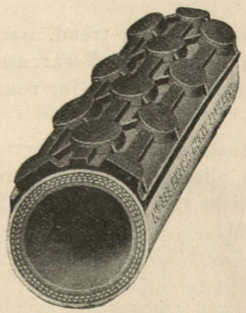


Furnished with white sidewalls, black tread, having three plies all around finest quality bicycle tire fabric. The sidewalls, tread, and inner tube are of high quality rubber, making a very strong yet most resilient tire adapted to practically any use. MADE IN FULL CROSS SECTION SIZE.

Sizes Furnished	Price per Pair
S. T.—28x1½" only	
S. C.—28x1⅜", 28x1½"	
D. C.—28x1⅜", 28x1½"	

FEDERAL No. 333 EXTRA HEAVY STUDDED

SINGLE TUBE



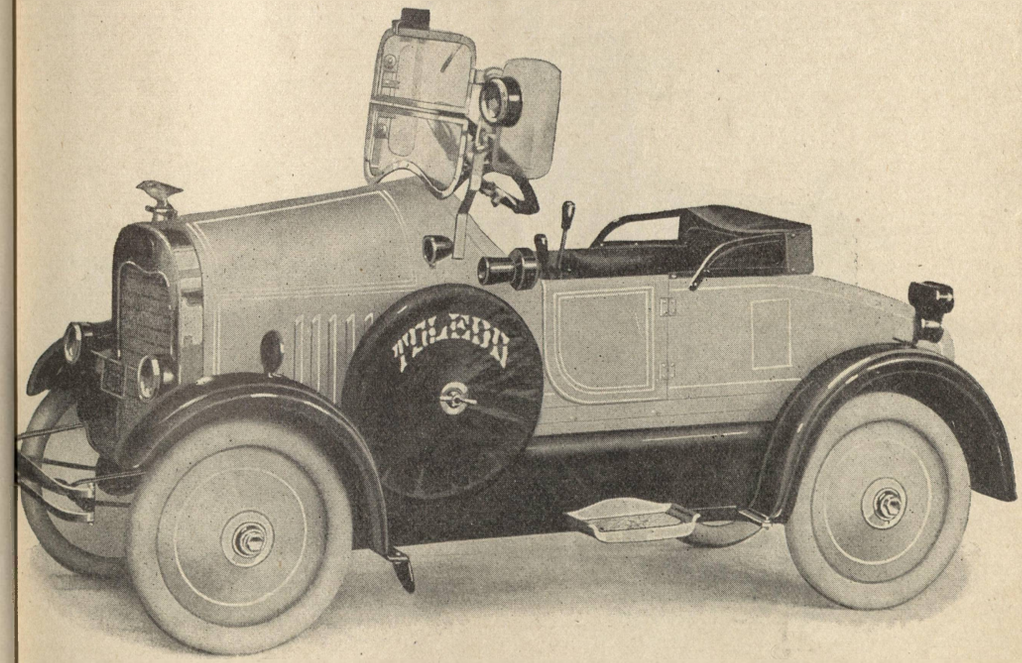
Made with three plies finest quality bicycle fabric under tread. This tread is of the extra heavy, large studded type with heavy rubber connecting bar. The inner tube is of good quality rubber. Furnished in white sidewall, black tread. The quality running through every inch of this tire insures the greatest resistance to abuse. MADE IN FULL CROSS SECTION SIZE.

Sizes Furnished	Price per Pair
28x1½" only	

JUVENILES STANDARD SIZES

26" .....
24" .....
20" .....

AUTOS



NO. 553DM LINCOLN

Specifications

BODY— 13 x 56 inches.

FINISH— Midnight blue. Trimmed in light blue and gold. Nickeled radiator with screen mesh front. Nickel-plated 2 pc. wind shield.

EQUIPMENT— Side wings. Adjustable rear view mirror. Wind Shield wiper. Adjustable spot light. Composition tilting steering wheel with gas and spark control. Nickel-plated three-bar bumper. Head lamps. License tag. Eagle radiator cap. Cowl lamps. Gear shift and emergency brake. Instrument board. Die-formed sport fenders. Splash guard. Aluminum sport steps. Nickel-plated scuff plates. Combination tail light. Stop and slow signal. Stationary leather top. Special horn. Oil can and bracket. Spare wheel with cover. Rear compartment. Hinged door. Full upholstered leather seat.

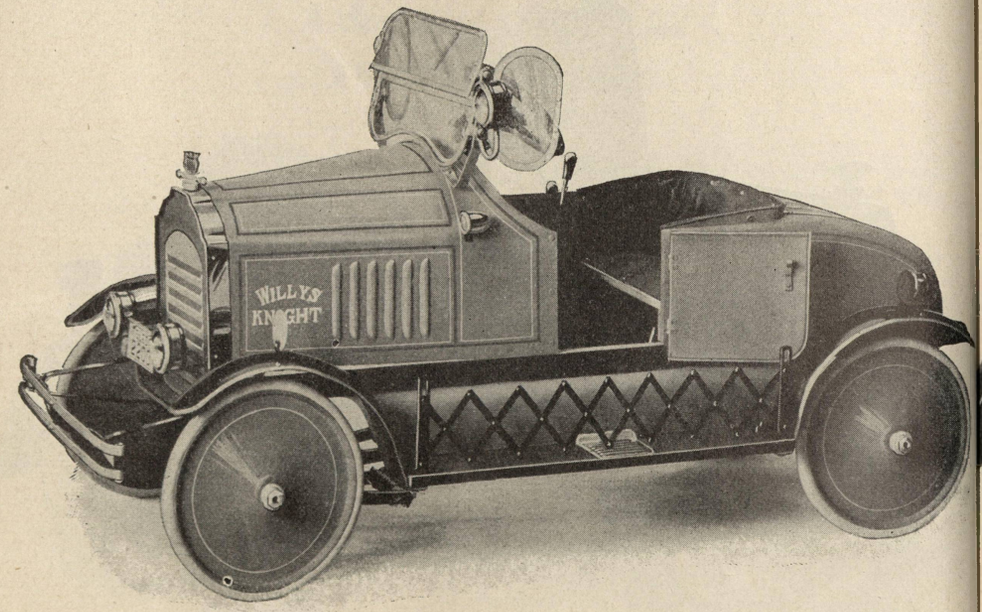
BLUE STREAK MOTOR HUMMER.

GEAR— NO DEAD CENTER with ADJUSTABLE RUBBER PEDALS. THREE-LEAF CANTILEVER SPRINGS. Ball bearing axle bracket.

WHEELS— 12" Double disc. Steel roller bearing 1¼" Balloon tires. Enameled red. Striped in yellow with Blue centers. Nickel-plated hub caps.

Price $52.00

AUTOS



NO. 551D WILLYS-KNIGHT

Specifications

BODY— 14 x 50 inches.

FINISH— Auto body brown. Trimmed in dark brown and blue. Nickel-plated band on front and rear.

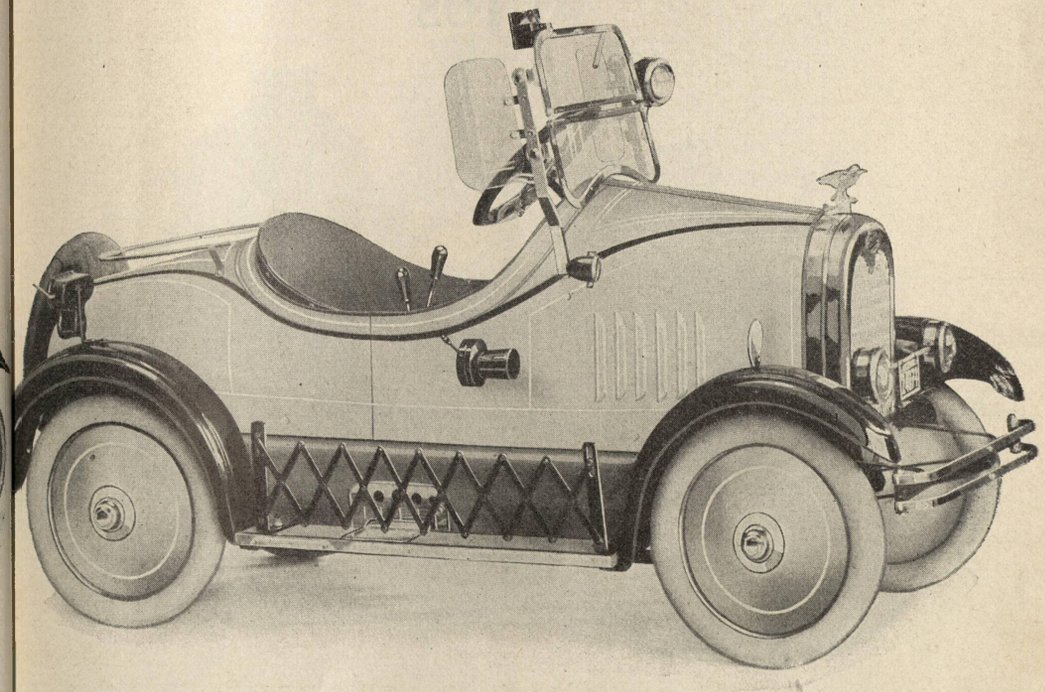
EQUIPMENT— Composition steering wheel. Gas and spark control. Horn. Gear shift. Eagle radiator cap. Head lamps. License tag. Bumper. Step plate. Luggage carrier. Fender mirror. Cowl lamps. Stop and Slow signal. Wind shield with spot light. Wind breakers. Steel fenders enameled brown. Instrument plate. Oil can. Full upholstered leather seat. Tools and bag. Tool box on running board.

GEAR— NO DEAD CENTER with ADJUSTABLE RUBBER PEDALS. CANTILEVER REAR SPRINGS with ball bearing axle bracket.

WHEELS— 12″ disc wheels. 5/8″ rubber tires. Enameled red. Roller bearing. Nickel-plated hub caps.

Price $48.00

AUTOS



NO. 549DM PEERLESS

Specifications

BODY— 13 x 56 inches.

FINISH— Red with maroon panel striped in gold.

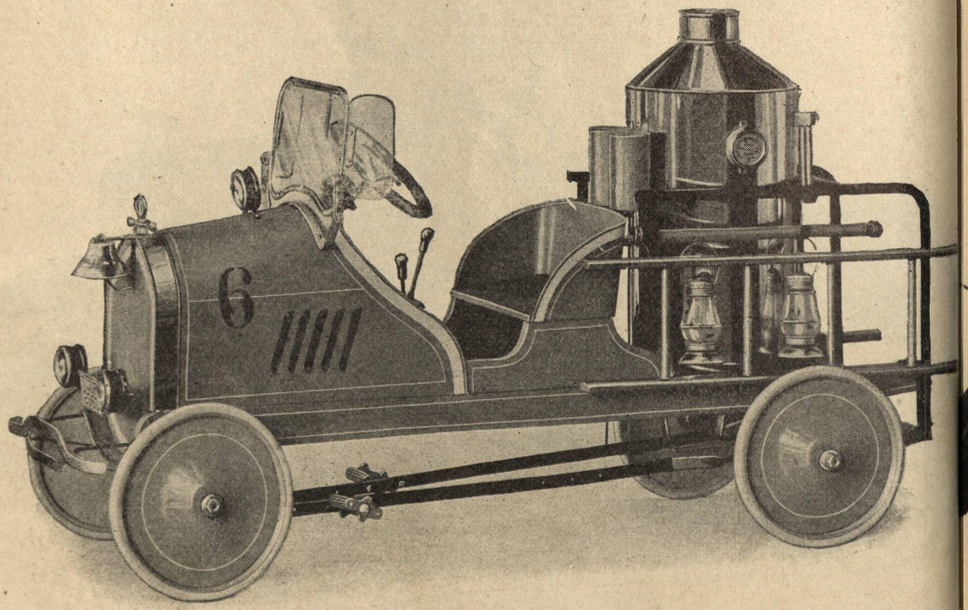
EQUIPMENT— Nickel-plated radiator with screen mesh front. Nickel-plated two pc. wind shield. Nickel-plated wind shield brackets. Side wings. Adjustable rear view mirror. Wind Shield wiper. Adjustable spot light. Composition tilting steering wheel with gas and spark control. Nickel-plated three-bar bumper. Gear shift and emergency brake. Spare wheel with cover. Die-formed steel fenders and running boards. Nickel-plated step and scuff plates. Head lamps. Cowl lamps. License tag. Instrument board. Full upholstered leather seat. Combination tail light and stop and slow signal. Nickeled guard rail in rear. Special horn. Oil can with bracket. Luggage carrier. Eagle radiator cap. BLUE STREAK MOTOR HUMMER.

GEAR— NO DEAD CENTER with ADJUSTABLE RUBBER PEDALS. THREE-LEAF CANTILEVER SPRINGS. Ball bearing axle brackets.

WHEELS— 12″ Double disc. Steel roller bearing. 1¼″ Balloon tires. Enameled red. Striped in yellow, blue center. Nickel-plated hub caps.
Packed one in a crate.

Price $45.00

AUTOS



NO. 563D FIRE ENGINE

Specifications

BODY— 13 x 54 inches.

FINISH— Red. Trimmed in yellow and blue. Nickel-plated band. Nickel-plated boiler. Leather seat pad. Rear step.

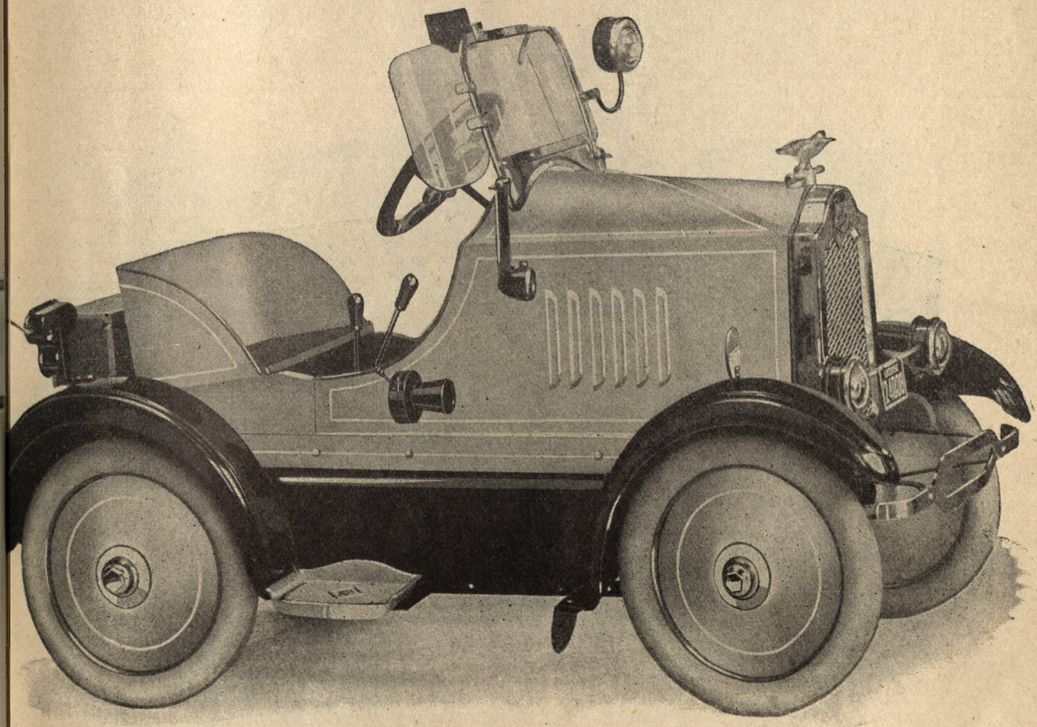
EQUIPMENT— Composition steering wheel. Gas and spark control. Gear shift. Motor-meter. Head lamps. License tag. Bumper. Bell. Search light lanterns. Ladders. Steam gauge. Water gauge. Wind shield. Wind breaker. Double cylinder steam. pump operated from pedal gear, producing sound of steam. Fire hose.

GEAR— NO DEAD CENTER with ADJUSTABLE RUBBER PEDALS. CANTILEVER SPRINGS with ball bearing axle bracket.

WHEELS— 12″ disc wheels. ⅝″ rubber tires. Roller bearing. Enameled red. Nickel-plated hub caps.

Price $42.00

AUTOS



NO. 545 DM PACKARD

Specifications

BODY— 13 x 46 inches.

FINISH— Yale blue with red panel. Striped in yellow.

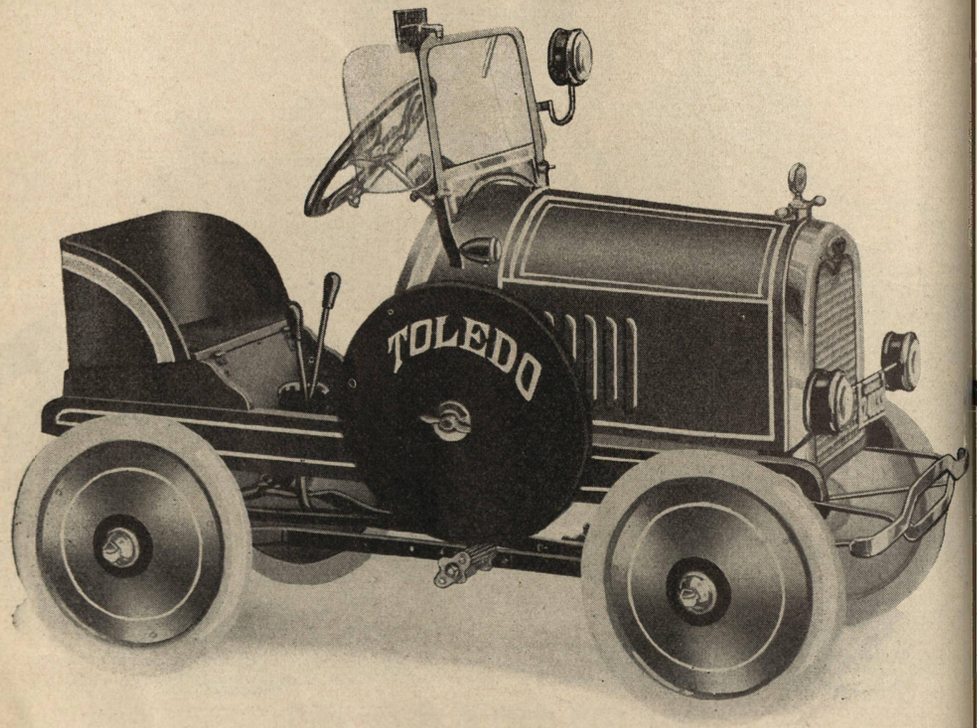
EQUIPMENT— Nickel-plated radiator with screen mesh front. Composition tilting steering wheel. Gas and spark control. Nickel-plated adjustable wind shield with nickel-plated wind shield brackets. Side wings. Adjustable rear view mirror. Wind Shield wiper. Adjustable spot light. Nickel-plated Biflex bumper. Gear shift and emergency brake. Instrument board. Head lamps. Cowl lamps. License tag. Aluminum sport steps. Nickel-plated scuff plates. Eagle radiator cap. Combination tail light and stop and slow signal. Trunk. Special die-formed sport fenders. Splash guards. Special horn. Leather seat cushion. Oil can and bracket. BLUE STREAK MOTOR HUMMER.

GEAR— NO DEAD CENTER with ADJUSTABLE RUBBER PEDALS. THREE-LEAF CANTILEVER SPRINGS. Ball bearing axle brackets.

WHEELS— 12″ Double disc. Steel roller bearings. 1″ Semi-Balloon tires. Enameled red. Striped in yellow with blue centers. Nickel-plated hub caps.

Price $36.00

AUTOS



NO. 541D MARMON

Specifications

BODY— 13 x 42 inches.

FINISH— Olive green. Trimmed in red and gold.

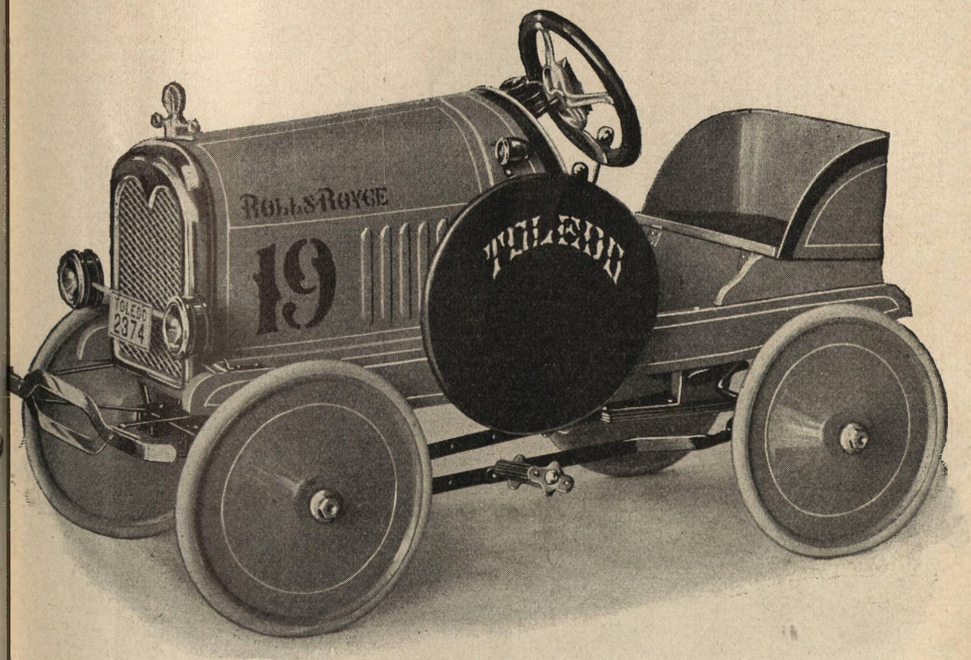
EQUIPMENT— Nickel-plated radiator with screen mesh front. Nickel-plated adjustable wind shield. Nickel-plated wind shield brackets. Spare wheel with cover. Adjustable rear view mirror. Wind Shield wiper. Adjustable spot light. Side wings. Nickel-plated Biflex bumper. Composition tilting steering wheel. Gas and spark control. Gear shift and emergency brake. Head lamps. License tag. Instrument board. Horn. Cowl lamps. Motor-meter. Leather seat cushion. Hinged seat with tool box. Oil can and bracket.

GEAR— NO DEAD CENTER with ADJUSTABLE RUBBER PEDALS. Three-leaf Cantilever Springs. Ball bearing axle brackets.

WHEELS— 12″ Double disc. 1″ Semi-Balloon tires. Enameled red. Nickel-plated hub caps.

Price $32.50

AUTOS



NO. 435D ROLLS ROYCE

Specifications

BODY— 13 x 38 inches.

FINISH— Yale blue. Trimmed in black and yellow. Nickel front with metal screen.

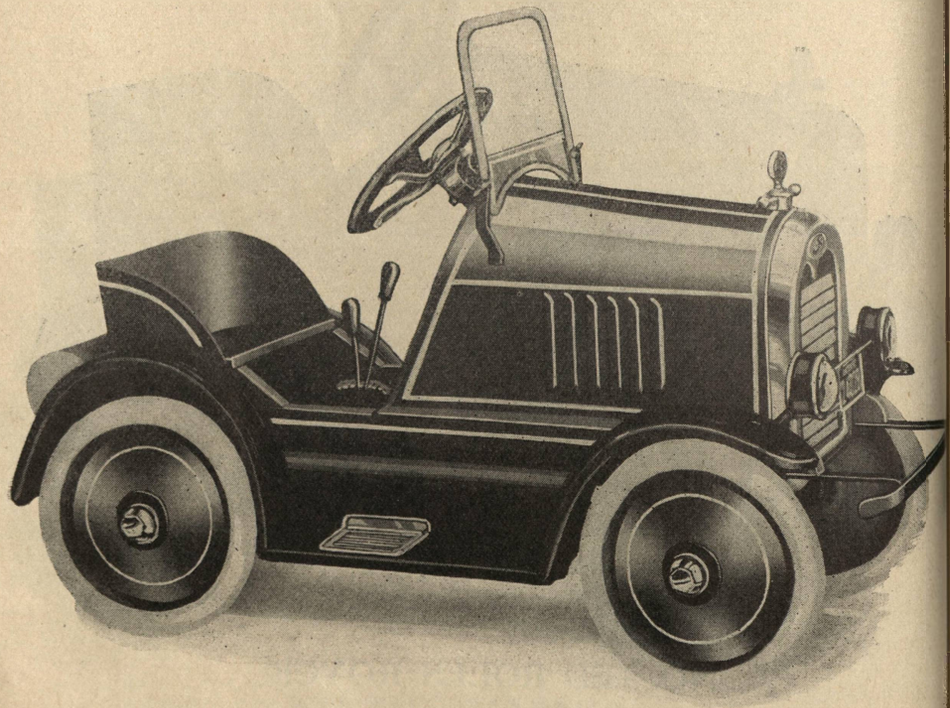
EQUIPMENT— Composition steering wheel. Gas and spark control. Motor-meter. Horn. Tool kit. Gear shift. License tag. Head lamps. Spare wheel with cover. Cowl lamps. Instrument board. Oil can. Compartment under seat. Bumper. Leather seat pad.

GEAR— NO DEAD CENTER with ADJUSTABLE RUBBER PEDALS. THREE-LEAF CANTILEVER SPRINGS. Ball bearing axle bracket.

WHEELS— 12″ disc wheels. ⅝″ R. T. Roller bearing. Enameled red. Nickel-plated hub caps.

Price $27.75

AUTOS



NO. 537D STUTZ

Specifications

BODY— 12 x 40 inches.

FINISH— Apple Green. Trimmed in yellow.

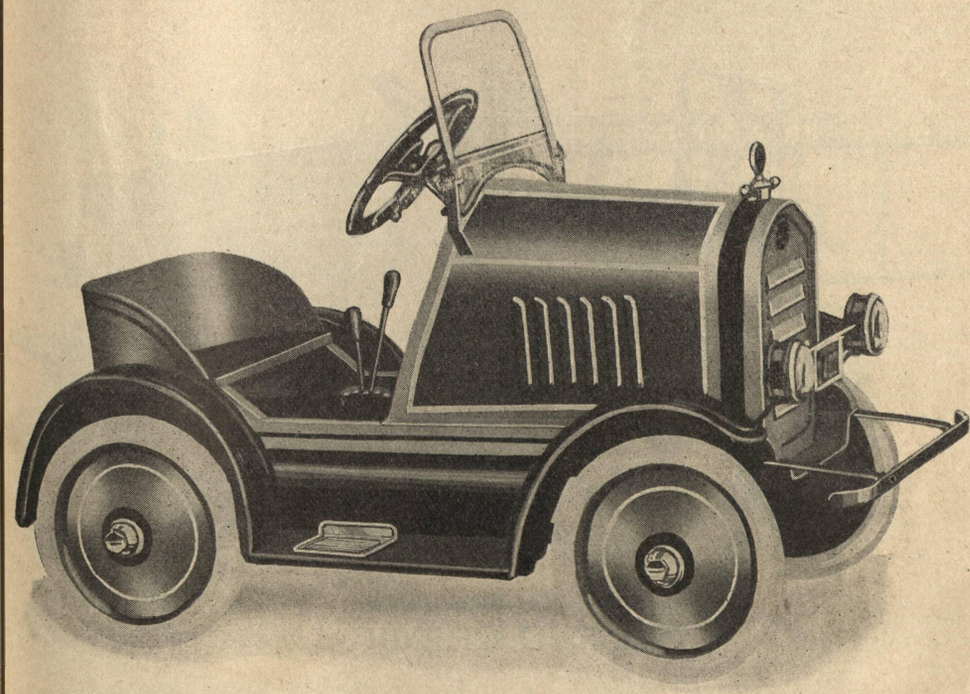
EQUIPMENT— Nickel-plated radiator with all steel front. Adjustable wind shield. Die-formed fenders and running boards. Composition steering wheel with gas and spark control. Head lamps. Gear shift and emergency brake. Instrument board. License tag. Bumper. Horn. Gas Tank. Step plates. Leather seat cushion. Oil can and bracket. Motormeter.

GEAR— NO DEAD CENTER with ADJUSTABLE RUBBER PEDALS.

WHEELS— 10″ Double disc. ¾″ Semi-Balloon tires. Nickel-plated hub caps.

Price $25.00

AUTOS



NO. 533D CHRYSLER

Specifications

BODY— 12 x 40 inches.

FINISH— Biege. Trimmed in apple green, midnight blue and yellow.

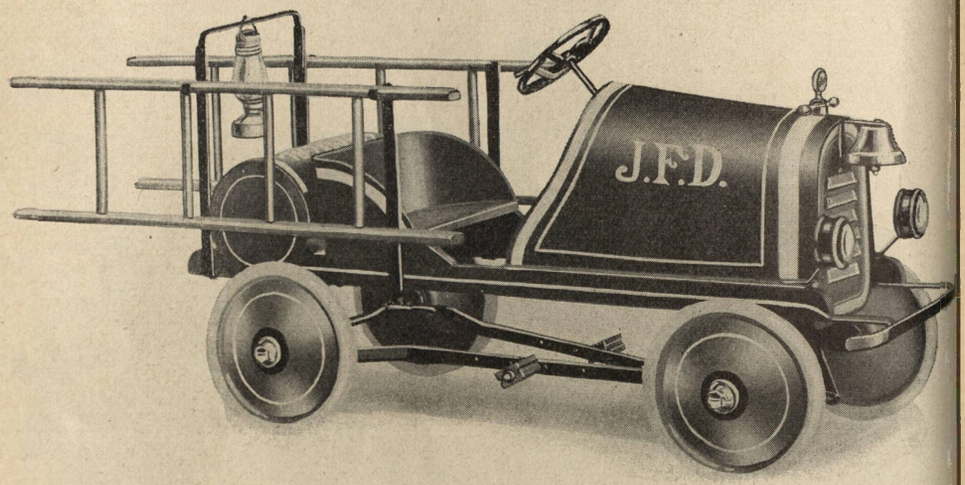
EQUIPMENT— Adjustable wind shield. Die-formed fenders and running boards. Composition steering wheel with gas and spark control. Gear shift and emergency brake. Head lamps. Instrument board. Bumper. Horn. License tag. Motor-meter Leather seat cushion. Oil can and bracket.

GEAR— NO DEAD CENTER with ADJUSTABLE RUBBER PEDALS.

WHEELS— 10″ Double disc, ¾″ Semi-Balloon tires. Enameled red. Nickel-plated hub caps.
Packed one in a wire bound box. K. D.

Price $21.00

AUTOS



NO. 557D CHEMICAL

Specifications

BODY— 12 x 44 inches.

FINISH— Red. Trimmed in yellow.

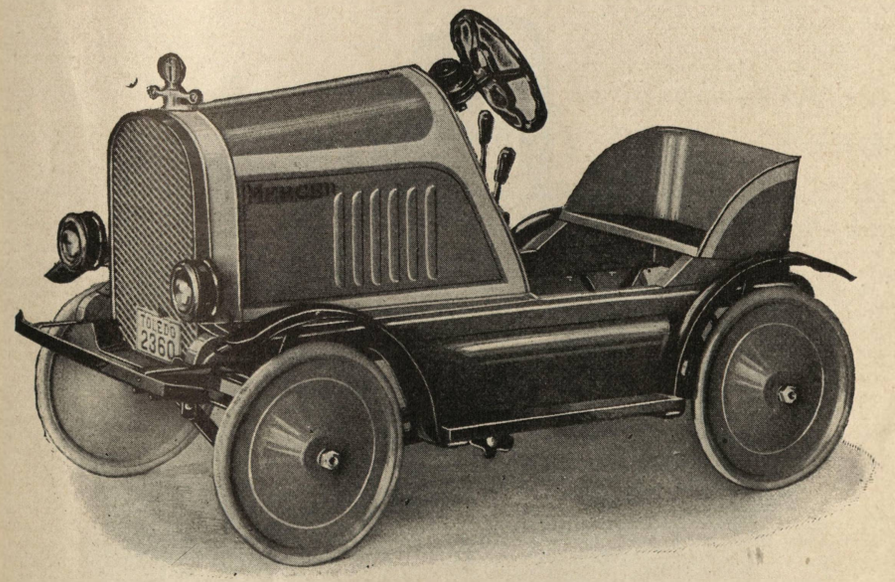
EQUIPMENT— Large bell operating from dash. Ladders. Lantern. Head lamps. Cast steering wheel with gas control. Motor-meter. Bumper. Leather seat cushion.

GEAR— NO DEAD CENTER with ADJUSTABLE RUBBER PEDALS.

WHEELS— 10″ Double disc. Enameled red ½″ tires. Nickel-plated hub caps.

Price $20.00

AUTOS



NO. 525D MERCER

Specifications

BODY— 12 x 34 inches.

FINISH— Dark brown. Trimmed in yellow and black. Metal screen front.

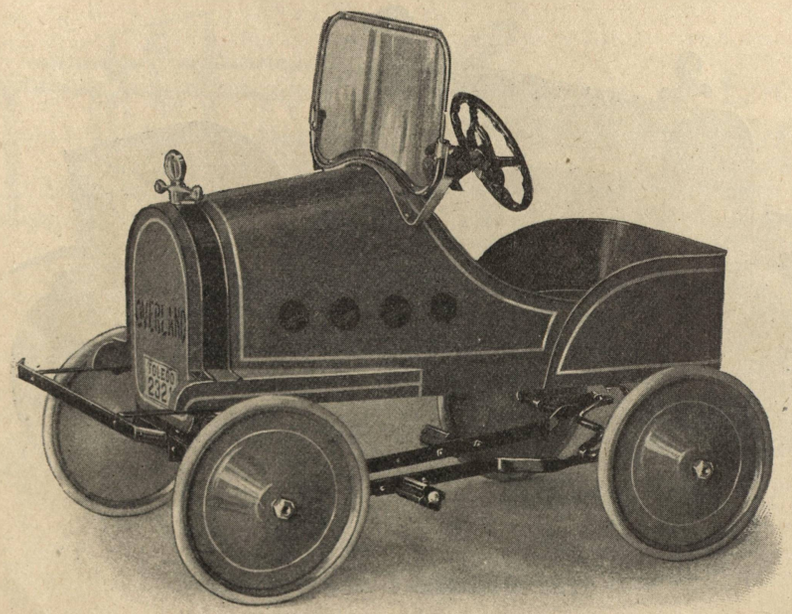
EQUIPMENT— Cast steering wheel with gas control. Horn. Motor-meter. Gear shift. Head lamps. Bumper. Steel fenders. Oil can. License tag. Instrument plate.

GEAR— NO DEAD CENTER with ADJUSTABLE RUBBER PEDALS.

WHEELS— 10″ disc wheels. ½″ R. T. Plain bearing. Enameled red. Nickel-plated hub caps.

Price $18.00

AUTOS



NO. 521D OVERLAND

Specifications

BODY— 12 x 30 inches.

FINISH— Red with black and yellow trimmings.

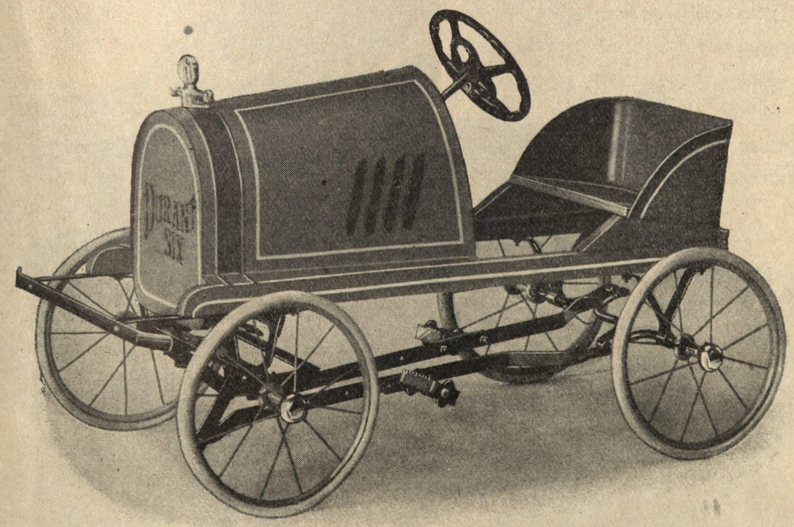
EQUIPMENT— Cast steering wheel with gas control. Motor--meter. Wind shield. License tag. Bumper. Head lamps furnished regularly.

GEAR— NO DEAD CENTER with ADJUSTABLE RUBBER PEDALS.

WHEELS— 10″ disc wheels. ½″ R. T. Plain bearing. Enameled red. Nickel-plated hub caps. Packed one in a carton, K. D. Weight per carton, 38 lbs.

Price $13.65

AUTOS



NO. 513D DURANT SIX

Specifications

BODY— 12 x 30 inches.

FINISH— Yale blue. Trimmed in yellow and red.

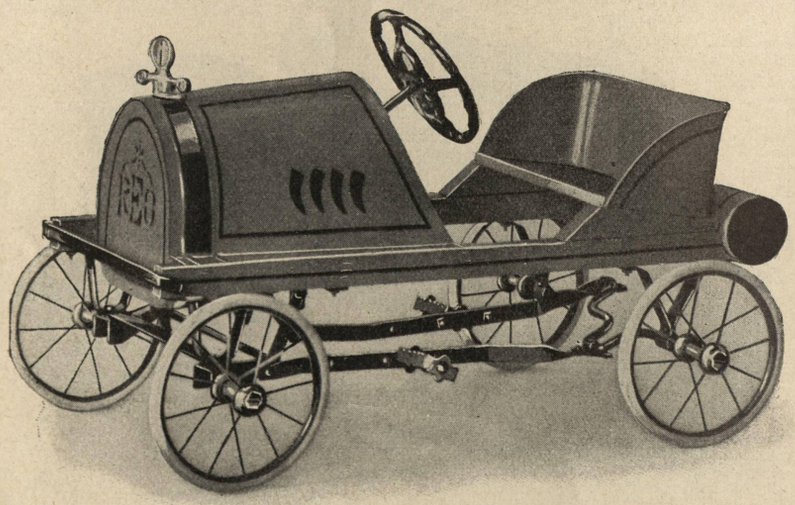
EQUIPMENT— Cast steering wheel with gas control. Motor-meter. Bumper.

GEAR— NO DEAD CENTER with ADJUSTABLE RUBBER PEDALS.

WHEELS— 10″ disc wheels. ½″ R. T. Enameled red. Nickel-plated hub caps.

Price $10.00

AUTOS



NO. 530 REO

Specifications

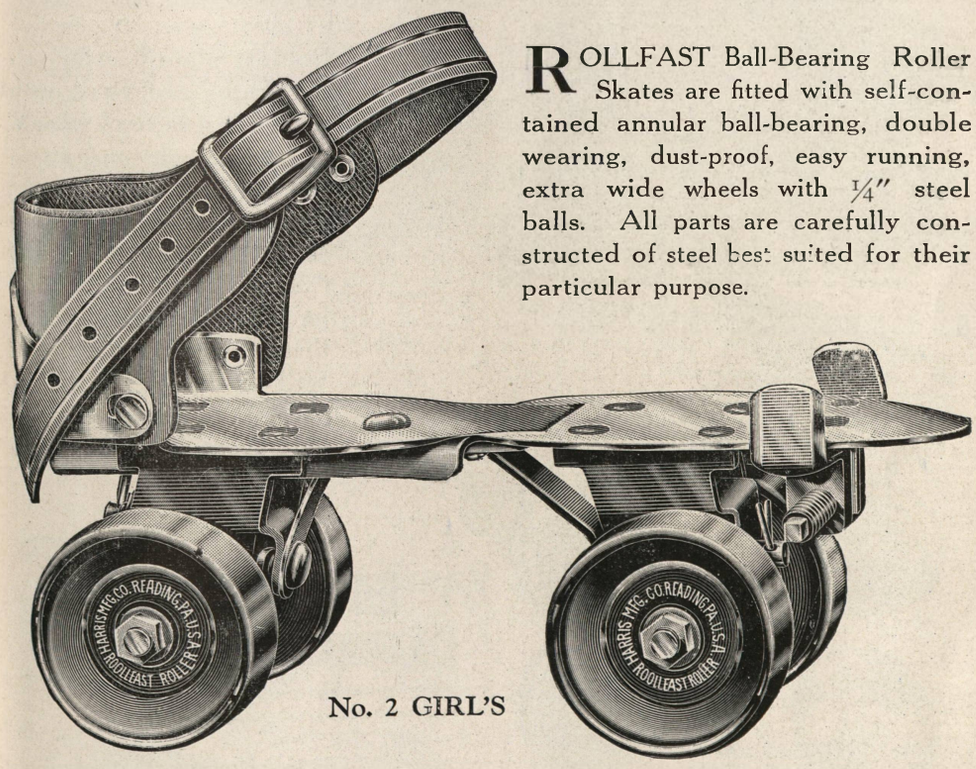
BODY—	11 x 30 inches.
FINISH—	Auto Brown body. Trimmed in dark blue and dark brown.
EQUIPMENT—	Cast steering wheel with gas control. Motor-meter. Bumper.
GEAR—	NO DEAD CENTER with ADJUSTABLE PEDALS.
WHEELS—	8" wire wheels. 3/8" rubber tires. Enameled red. Nickel-plated hub caps.

Price $7.25

Rollfast TRADE MARK

ROLLER SKATES

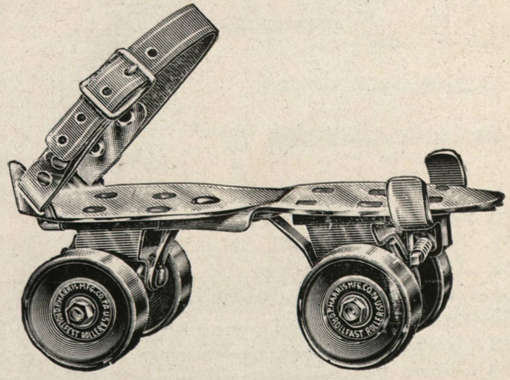
BALL-BEARING



ROLLFAST Ball-Bearing Roller Skates are fitted with self-contained annular ball-bearing, double wearing, dust-proof, easy running, extra wide wheels with 1/4" steel balls. All parts are carefully constructed of steel best suited for their particular purpose.

No. 2 GIRL'S

Reinforced heel and toe plate bases, built close to the ground, giving added strength. Heel and toe plates copper plated, nickeled and buffed. Adjustable to fit the smallest child to the largest adult of the roller skate riding age. Skate key furnished with each pair of skates.



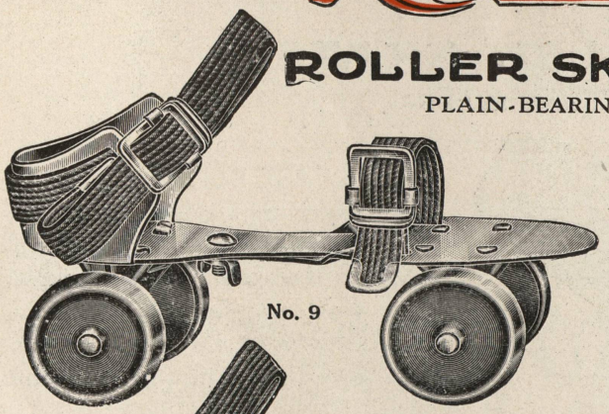
No. 1 BOY'S

made to last

Rollfast

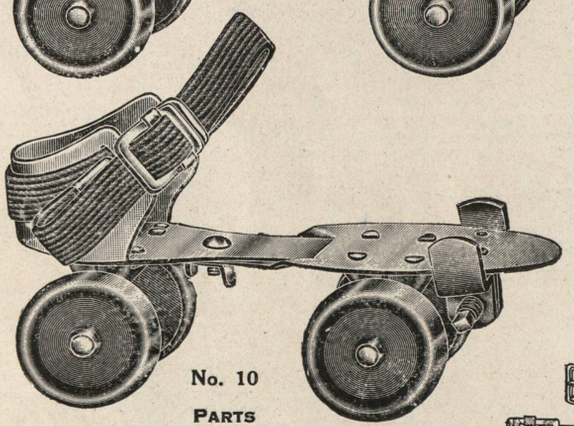
ROLLER SKATES

PLAIN-BEARING



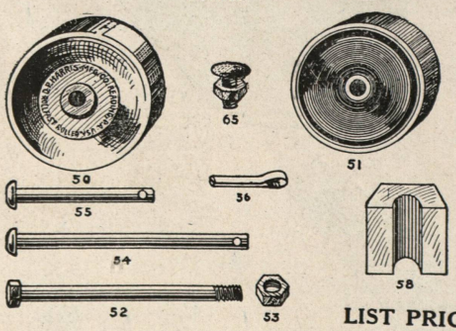
No. 9

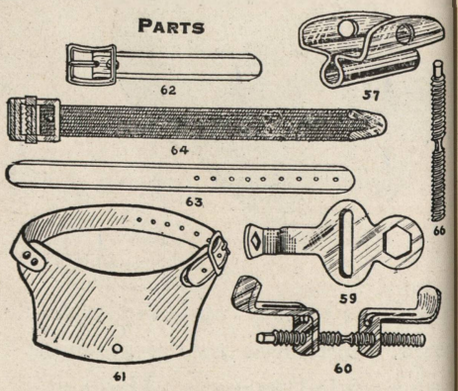
Rollfast plain bearing roller skates are fitted with plain bearing steel wheels. The same care and attention as is devoted to the Rollfast ball-bearing roller skates is also given to the Rollfast plain-bearing roller skates which makes them easy running and well built. Finished in gun-metal finish. Adjustable from 7 to 10½ ins.



No. 10

PARTS





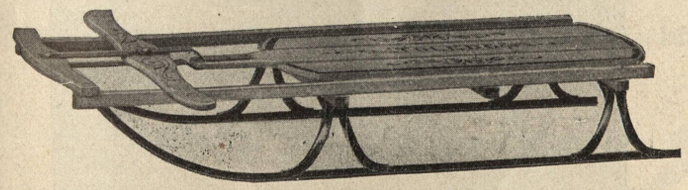
LIST PRICE OF PARTS

No.		Per 100
50	Self-contained wheel	$20.00
51	Plain bearing wheel	10.00
52	Axle for S. C. wheel	4.00
53	Nut for S. C. wheel axle	2.00
54	Axle for plain wheel	4.00
55	Hanger pin	3.00
56	Cotter pin	.30
57	Hanger plate	5.00
58	Rubber Cushion	$ 6.00
59	Key	5.00
60	Toe clamp complete	20.00
61	Leather back and strap	35.00
62	Buckle strap	10.00
63	Leather strap, 10 inch	5.00
64	Webb strap with buckle	10.00
65	Adjusting screw and nut	4.00
66	Toe clamp, axle only	5.00

made to last

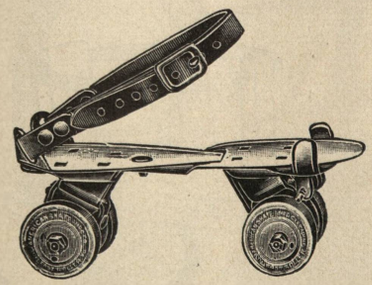
PERFECTION STEERING SLEDS

THE PERFECTION SLEDS are made of selected materials throughout and are assembled by skilled mechanics. The tops are of Selected White Ash, neatly decorated, and finished in three coats durable high gloss varnish. Runners and metal parts are made of the very best steel.

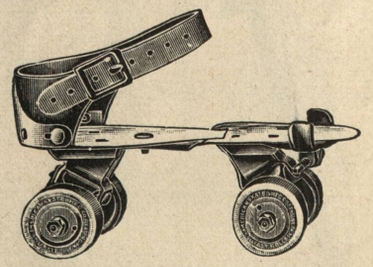


No. 48.	Length 30 in.,	Height 6½ in.,	Width 11 in.	Price, each	**$1.35**
No. 50.	Length 32 in.,	Height 6½ in.,	Width 11 in.	Price, each	**1.50**
No. 51.	Length 34 in.,	Height 6½ in.,	Width 11 in.	Price, each	**1.80**
No. 52.	Length 36 in.,	Height 6½ in.,	Width 12½ in.	Price, each	**2.15**
No. 53.	Length 40 in.,	Height 6½ in.,	Width 13 in.	Price, each	**2.65**
No. 54.	Length 44 in.,	Height 7 in.,	Width 13½ in.	Price, each	**3.00**

BARNEY & BERRY ROLLER SKATES



No. 1966—Boys



No. 1968—Girls

Boys' and Girls' Extension Ball Bearing Model

1966—Boys' type	Price $2.75
1968—Girls' type	Price 3.00

ROLLFAST ROLLER SKATES

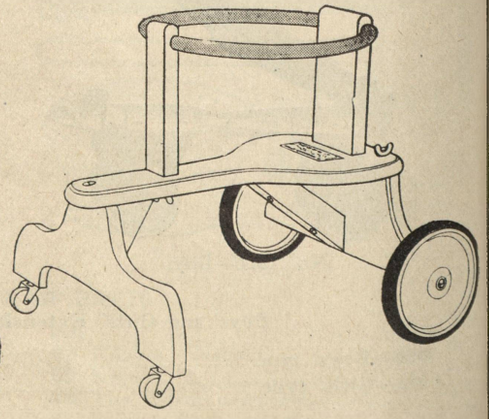
No. 1—Boys'	Per Pair $2.75
No. 2—Girls'	Per Pair 3.00

Ball Bearing—Tubular Frame—1-inch Rubber Tires

No.	Front Wheel	Rear Wheel Red or Blue	For Age	Price
1	16″	10″	3 to 4	$13.50
2	20″	14″	4 to 5	16.50
3	24″	16″	5 to 6	19.50
4	28″	18″	6 to 7	22.65

No. 610 WIRE WHEEL SCOOTER
32 inches overall, 5 x 12 foot board, 8-inch wire wheels with ½-inch tires. Metal parts finished in blue enamel.
Each $2.50

No. 612 DISC WHEEL SCOOTER
Same description as above, but equipped with Disc wheels and 5/8-inch rubber tires. **Each $3.50**



THE GO-BI-BI
is a Fascinating Plaything

And it is built so well that it will serve its purpose all over again if a new baby brother or sister comes to take the place of its first owner.

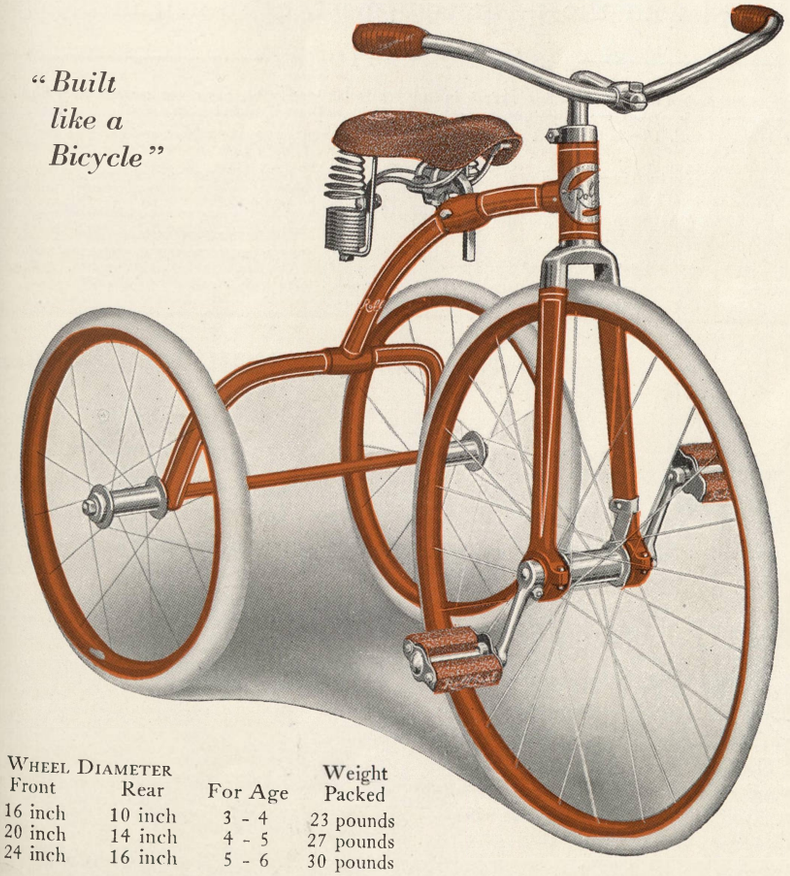
As a toy, the Go-bi-bi is without an equal—as a utility it is a necessity. **Price, $3.50**

Rollfast TRADE MARK made to last

VELOCIPEDES

High grade, modern, ball bearing vehicles for Boys and Girls

"Built like a Bicycle"



	Wheel Diameter Front	Rear	For Age	Weight Packed
No. 1	16 inch	10 inch	3 - 4	23 pounds
No. 2	20 inch	14 inch	4 - 5	27 pounds
No. 3	24 inch	16 inch	5 - 6	30 pounds

With New Departure "JUNIOR" Coaster Brake:—

	Wheel Diameter Front	Rear	For Age	Weight Packed
No. 1-J	16 inch	10 inch	3 - 4	24 pounds
No. 2-J	20 inch	14 inch	4 - 5	28 pounds
No. 3-J	24 inch	16 inch	5 - 6	31 pounds

Rollfast TRADE MARK made to last

Ball Bearing Velocipedes

ROLLFAST Ball Bearing Velocipedes have been added to the well known "ROLLFAST" line of bicycles in response to an urgent request that a child's vehicle of "ROLLFAST" quality be placed upon the market. Brightly finished in Red and non-rusting nickel and equipped with the finest equipment, as shown in illustration.

SPECIFICATIONS

Frame—Made of high carbon steel bicycle tubing, ⅞ inch in diameter, giving great strength. Joints are all outside, tapered carefully, pinned and braized, eliminating the possibility of working loose.

Annular contained anti-friction ball bearings are installed at all bearing points, insuring easiest driving.

Wheels—Have solid steel rims, nickel plated bicycle wire spokes; ball bearing, all-steel hubs.

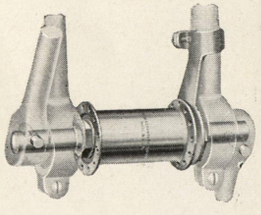
Finish—In beautiful shade of bright red, baked on, ornamented with double row box striping.—final coat of enamel gives a lasting lustre. All parts not enameled are highly polished, heavy non rusting nickel plate.

Tires—Highest grade rubber, cushion tires one inch in diameter, wired to steel rims.

Saddle—"Rollfast" specially made of best grade of leather, shaped for comfort, with cushion comfort springs, all metal highly nickel plated.

Pedals—Ball bearing, with solid rubber foot pads.

Handlebars—Drop forged extension stems, top made of first-grade bicycle tubing, highly nickel plated, and with special "Rollfast" red rubber grips.



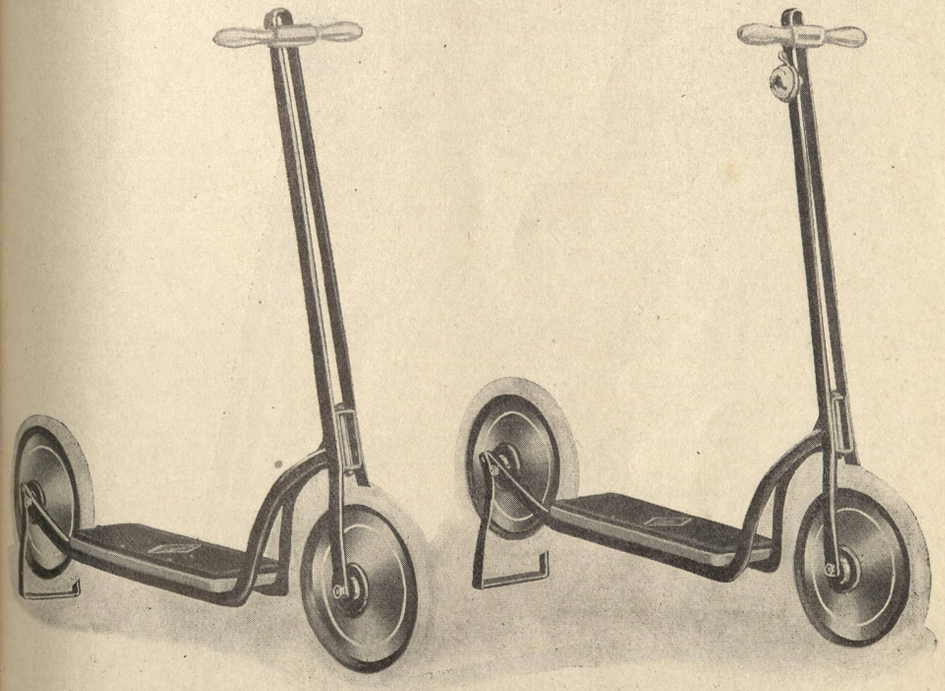
New Departure "JUNIOR" Coaster Brake

Just as the New Departure coaster brake has for many years been a standard on all bicycles, so the New Departure "JUNIOR" coaster brake for velocipedes is now in large demand and will in a very short time be a standard equipment on all high-grade velocipedes.

"ROLLFAST" Ball Bearing Scooters

Another addition to the "Rollfast" line is the "Rollfast" ball bearing scooter. Strong in construction. Light in weight and easiest running. The frame is of steel, foot platform of hard wood of ample size, handsomely finished. Furnished with regular velocipede wheels built like a bicycle or with steel disc wheels. Finished attractively in bright red enamel, ornamented with box striping.

		WHEEL DIA.	DIA. OF TIRE	FOR AGE	WEIGHT PACKED
No. 51	Spoke Wheel	10 inch	1 inch	under 7	14 pounds
No. 52	Disc Wheel	10 inch	1 inch	under 7	17 pounds
No. 53	Spoke Wheel	14 inch	1 inch	over 7	18 pounds
No. 54	Disc Wheel	12 inch	1 inch	over 7	20 pounds



NO. 591

Length over all 36". Height 34". Foot board 5x13". Wheels 10" Double disc, roller bearing, 1" rubber tires, enameled red. Frame and handle enameled red. Adjustable cross handle. Rear parking stand. Moulded rubber pad on foot board.

Packed two in a carton.

Weight per carton 32 pounds.

Price $4.50

NO. 592

Length over all 38". Height 34". Foot board 5x13". Wheels 10" Double disc, roller bearing, 1¼" rubber tires, enameled red. Frame and handle enameled red. Adjustable cross handle. Rear parking stand. Moulded rubber pad on foot board. Bicycle bell.

Price $5.50

NO. 596 SCOOTER

WITH FOOT BRAKE

Length over all 36″. Height 34″. Foot board 5x13″. Wheels 10″ Double disc, roller bearing, 1″ rubber tires, enameled red. Frame and handle enameled red. Adjustable cross handle. Rear parking stand. Moulded rubber pad on foot board. Rear wheel brake operated from pedal in front of foot board. Nickel-plated bell.

Packed two in a carton.

Weight per carton 32 pounds.

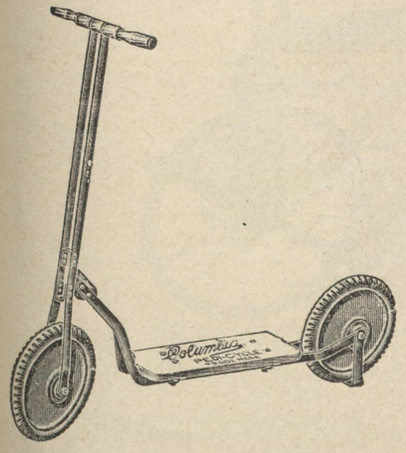
Price $6.00

"PEDI-CAR" (Ball-Bearing)

PEDI-CAR No.	Wheels Front	Rear	Price
25—With Ball-Bearing Pedals	10″	8″	$8.00

A NEW DISC WHEEL "PEDI-CYCLE" with a regular MOTOBIKE STAND, as shown, is an ENTIRELY NEW THOUGHT in Children's Cycles. It will please every Boy and Girl. It enables them to STAND THE "PEDI-CYCLE" UP BY ITSELF when not in use.

With Motobike Stand	Wheels	Price
No. 32-S	11″	$6.00
34-S	11″	7.00



No. 37-S, Patented, Non-Skid COLUMBIA Pedicycle, with its Balloon Type, Treaded (1½-inch) Rubber Tires.

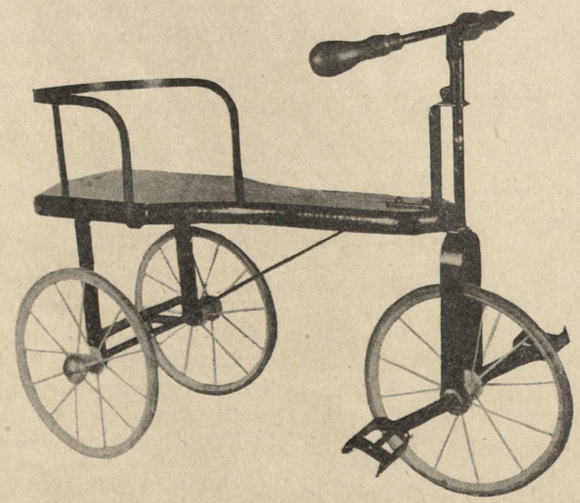
The Unit Wheel Construction includes the Seamless Rubber Tire so that the entire wheel becomes an absolute shock absorber the same as Balloon Tires do on automobiles.

Wheels have Steel Axles with Bicycle Ball-Bearing Cup and Cone Construction. The Motobike Stand is an added feature. Price **$8.00**

No. 1—BOY SCOUT

Seat 15x7. 8-inch wheels with ½ inch tires. 10 inches high to top of seat. Seat enameled red.

Price with Back Rail $3.50
Price without Back Rail 3.25



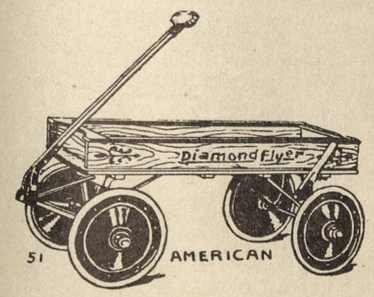
No. 2—BOY SCOUT

Seat 19x8. 9-inch wheels with ½ inch tires. 12 inches high to top of seat. Seat enameled red.

Price with Rail $4.00
Price without Rail 3.75

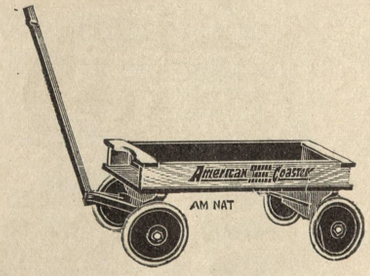
COASTER WAGONS

STEEL GEAR COASTER WAGON



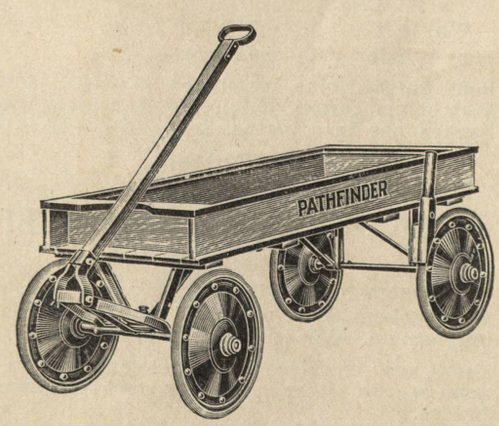
No.	Body	Disc Wheels	Weight Per Carton	Price Each
163	16x36 in.	10x¾ in.	35 lbs.	$7.00
25	16x36 in.	10x1 in.		7.00

BLUE STREAK COASTER WAGONS



No.	Body	Wheels	Weight Per Carton	Price Each
28	10x20	4½x½	20 lbs.	$3.35
29	11x24	5½x½	25 lbs.	4.25
30	12x28	7x½	35 lbs.	5.25

Packed 2 in carton.



Pathfinder Roller Bearing Disc Wheel Coaster Wagons

No.	Size Body	Size Wheel	Size Tire	Price
63R	14″x32″	10″	¾	$9.00
62R	16″x36″	10″	¾	10.00
61R	16″x40″	10″	¾	11.00

NO. 10 BLUE STREAK ALL STEEL COASTER

Specifications

BODY— 14½ x 33½ inches.
Detachable, made of heavy sheet steel.

GEAR— All steel construction.

WHEELS— 10″ x 1″ R. T.
Double disc, 1″ R. T. Roller bearing. Nickel-plated hub caps.

HANDLE— Bent tubular with steel grip.

FINISH— Body finished blue, wheels red.
Weight per carton, 40 lbs.
Packed one in a carton.

Price $10.00

NO. 130 MONARCH COASTER

Specifications

BODY— 13½ x 32¼ inches.
Heavy sheet steel, reinforced with large beads. Roll on top and bottom. Wooden bottom reinforced with four wood cleats.

GEAR— Front gear one-piece fifth wheel construction with tongue and gear braces. Rear gear heavy steel reinforced with two steel braces.

WHEELS— Steel, Double disc, self retained, roller bearings. Enameled bright red, striped in yellow. Nickel-plated hub caps. Heavy corrugated rubber tires, 8 x ¾.

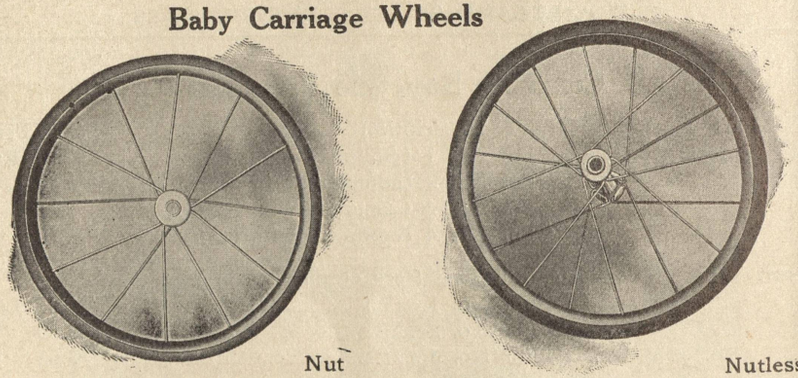
FINISH— Body enameled bright green. Artistically decorated and lettered in yellow. Gear enameled black.

Price $6.50

Columbia Boycycle Parts List

Part	Description	List Prices
Rear Wheels	For No. 1 (complete with tire)	$2.81 Each
	For No. 2 (complete with tire)	3.38 "
	For No. 3 (complete with tire)	3.75 "
	For No. 4 (complete with tire)	4.70 "
Front Wheels	Complete with Tire (less cranks and bearings)	
	For No. 1	$3.57 Each
	For No. 2	4.50 "
	For No. 3	5.63 "
Rims, Only, Front	For No. 1 (enameled)	$0.75 Each
	For No. 2 (enameled)	.83 "
	For No. 3 (enameled)	.95 "
Rims Only, Rear	For No. 1	$0.50 Each
	For No. 2	.60 "
	For No. 3	.75 "
Front Forks	Completely Enameled—Nickel-Plated Crown	
	For No. 1	$4.35 Each
	For No. 2	4.35 "
	For No. 3	4.85 "
Frames	For No. 1 (less fork)	$5.00 Each
	For No. 2 (less fork)	5.40 "
	For No. 3 (less fork)	5.75 "
Saddle Posts, Regular	For either No. 1, 2 or 3	$0.28 Each
Saddle Posts, Ex. Heavy	For either No. 1, 2 or 3	.28 "
Cranks, Right	For either No. 1, 2 or 3	$0.80 Each
Cranks, Left	For either No. 1, 2 or 3	.80 "
Crank Taper Key & Nut	For either No. 1, 2 or 3	$0.90 Doz.
Handle Bar Binder Bolts	For either No. 1, 2 or 3	$0.60 Doz.
Seat Post Binder Bolt	For either No. 1, 2 or 3	$1.20 Doz.
Handle Bar Tops		$0.95 Each
Handle Bar Post Clamp Binder Bolt & Nut	For either No. 1, 2 or 3	$1.43 Doz.
Handle Bar Posts	For either No. 1, 2 or 3 (less bolt)	$1.28 Each
Handle Bar Post Clamp	For either No. 1, 2 or 3	$0.35 Each
Bearings, Front	For either No. 1, 2 or 3 (complete)	$0.42 Each
Bearings, Rear	For either No. 1, 2 or 3 (complete)	.30 "
Spacing Washers, Front	For either No. 1, 2 or 3	$0.50 Doz.
Spacing Washers, Rear	For either No. 1, 2 or 3	.47 a 100
Binder Screw and Nut For Front Fork End	For either No. 1, 2 or 3	$0.38 Doz. Sets
Nuts for Rear Axle	Right Hand for Nos. 1, 2 or 3	$0.75 Doz.
	Left Hand for Nos. 1, 2 or 3	.75 Doz.
Retainer Washers, Front	For either No. 1, 2 or 3	$0.50 Doz.
Retainer Washers, Rear	For either No. 1, 2 or 3	.50 Doz.

Baby Carriage Wheels



Nut Nutless

NUT WHEELS

No.	Size	Color	Tire	Spokes	Hole	Hub	Flange	Price
16	6	Black	3-8	8	3-8	1″ or 1½″	Single	$0.29
26	6	White	3-8	8	3-8	1″ or 1½″	"	.30
37	7	Black	3-8	8	3-8	1½″	"	.25
47	7	Black	1-2	8	3-8	1½″	"	.40
58	8	Black	3-8	12	3-8	1½″	"	.35
68	8	Black	1-2	12	3-8	1½″	"	.52
78	8	Black	5-8	12	3-8	1½″	"	.58
88	8	Black	1-2	12	3-8	1½″	Double	.52
98	8	Black	1-2	12	3-8	2″	"	.52
108	8	Black	1-2	12	7-16	2″	"	.52
118	8	Black	5-8	12	3-8	2″	"	.64
128	8	Black	5-8	12	7-16	2″	"	.64
130	10	Black	3-8	12	3-8	1½″	Single	.46
140	10	Black	1-2	12	3-8	1½″	Double	.64
150	10	Black	1-2	12	3-8	2″	"	.64
160	10	Black	5-8	12	3-8	1½″	"	.75
170	10	Black	5-8	12	3-8	2″	"	.75
180	10	Black	1-2	12	7-16	2″	"	.64
190	10	Black	5-8	12	7-16	2″	"	.75
202	12	Black	1-2	12	3-8	1½″	"	.75
212	12	Black	1-2	12	3-8	2″	"	.75
222	12	Black	5-8	12	7-16	1½″	"	.86
232	12	Black	5-8	12	7-16	2″	"	.86
1232	12	Black	1-2	12	7-16	2″	"	.86

NUTLESS WHEELS

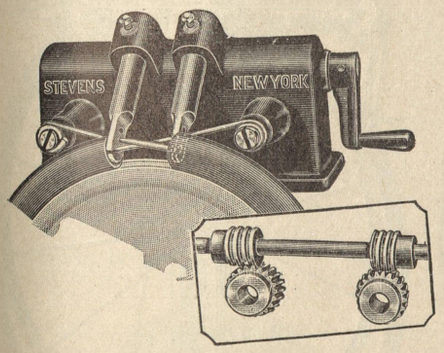
No.	Size	Color	Tire	Spokes	Hole	Hub	Price
248	8	Black	1-2	12	3-8	2	$0.52
258	8	"	5-8	12	3-8	2	.64
260	10	"	1-2	12	3-8	2	.64
270	10	"	5-8	12	3-8	2	.75
280	10	"	1-2	12	7-16	2¾	.69
290	10	"	5-8	12	7-16	2¾	.80
302	12	"	1-2	12	3-8	2	.70
312	12	"	5-8	12	3-8	2	.70
1312	12	"	1-2	12	7-16	2	.86
2312	12	"	1-2	12	7-16	2¾	.76
3312	12	"	5-8	12	7-16	2¾	.90
344	14	"	1-2	16	7-16	2¾	.84
354	14	"	5-8	16	7-16	2¾	1.00

ARTILLERY WHEELS

No.	Size	Color	Tire		Price
368	8	Black or Brown	1-2	With Tires and Caps	$1.15
370	10	" " "	1-2	" " " "	1.27
380	10	" " "	5-8	" " " "	1.38
392	12	" " "	1-2	" " " "	1.44
402	12	" " "	5-8	" " " "	1.55
414	14	" " "	5-8	" " " "	1.46
4216	16	" " "	5-8	" " " "	1.90

Order by Number. All the above sizes carried in stock.

No. 10 STEVENS TIRING MACHINE



This new machine gives to the bicycle repairman the same efficiency and speed in replacing baby carriage tires, which is used in factory production. Its power, strength and design make this tool particularly suited for the large size tiring and the heavy retaining wire which are now becoming popular.

This tool is of a most practical design because the principle of worm gearing is used. The worm gearing makes this machine powerful, and at the same time flexible and easy to operate. The tension of the wire, when tightening up the tire on the machine, cannot reverse the action of the worm gearing, because the teeth of the lower gears are practically straight and at right angles with the spiral upper gears, thus locking the wire in position without the use of any ratchet or special locking devices. However, the upper spiral gears can always be turned backward or forward through the handle, so that the wire can be drawn to any tension or released by turning the handle.

Another feature of Stevens Tiring Machine is that both ends of the wire are drawn up under equal tension, which makes a smooth, well set tire.

The holding jaws are made from heavy steel bar and can be adjusted to suit the convenience of the operator or changed completely if desired.

The winding shafts are of husky diameter and fitted into large bearings. They are slotted that the waste wire can be easily removed after the tire is fastened.

HOW IT WORKS

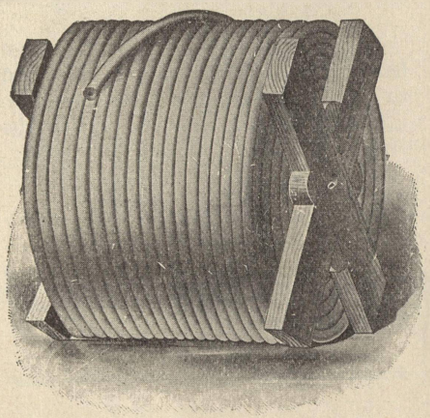
The wire is drawn through the rubber in the usual way, after which the wheel and the tire is set up in the machine as shown in the illustration. The wire is then drawn to the necessary tension, simply by turning the handle.

The operation of twisting the wire usually causes an additional strain on the wire and often makes it break before the job is finished. With Stevens Machine, this addtional strain caused by twisting the wire is offset by backing up slightly on the handle as the twisting operation proceeds. By using the right grade of wire with Stevens Machine you can avoid entirely accidental breaking of the wire, with the result that a much tighter and better set tire is assured.

Put a good dose of heavy oil into the tiring or apply a heavy coat of grease on wire before inserting—that makes it easier both to insert the wire and operate the machine.

Price, each, $15.00

Baby Carriage Tire Rubber—Machines, Etc.

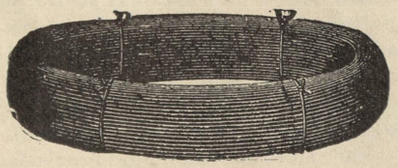


Baby Carriage Tire Rubber

Sizes, 3-8, 7-16, 1-2, 5-8, 3-4, 7-8, 1 inch.
Victor Rubber, No. 2. Price per lb., 60c
Victor Rubber, No. 1. Price per lb., 75c
Wire for same. Price per lb., 15c

Tire Measurements, Per Wheel

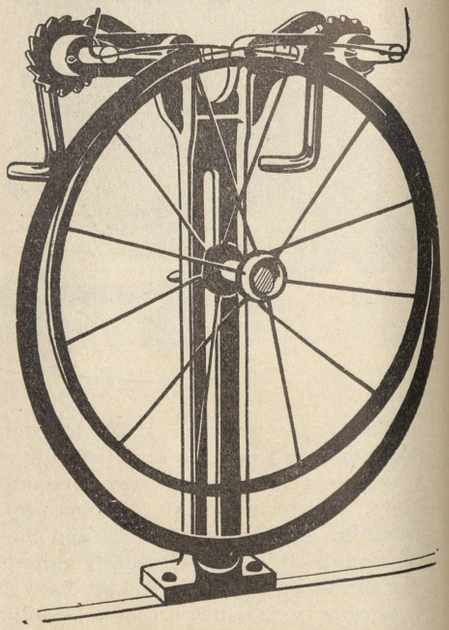
Wheel dia., ins. 8 10 12 14 16 20 22
Rubber required, ins.
26 33 40 45 52 66 72



Baby Carriage Wire
Per Roll, $1.50

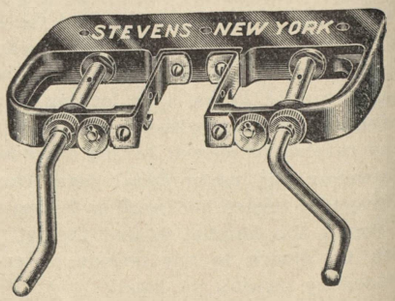
Stevens Tire Machine, No. 1

This is the most improved baby carriage tire tool. The frame is made from one solid casting—takes up little space. New ratchet devices fitted to winding arms holding them firmly in position when wire has been pulled tight. Each $5.00



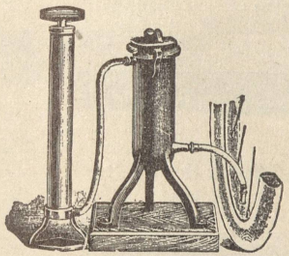
The Acme Tire Machine

Price complete, including twisting wrench, special plier, and stud and wing nut, $6.00



Little Giant Wire Twister
Each, $0.25

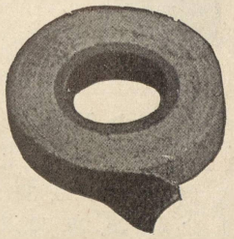
Tire Fluids—Neverleak—Tire Tape



Neverleak Injector
Without pump, each.....$2.00

Neverleak Tire Fluid

4-ounce tubes, price, each.....$0.25
1-gallon cans, price, each..... 3.00
5-gallon cans, price, each..... 9.00
Tip Top, gross, each.....30.00



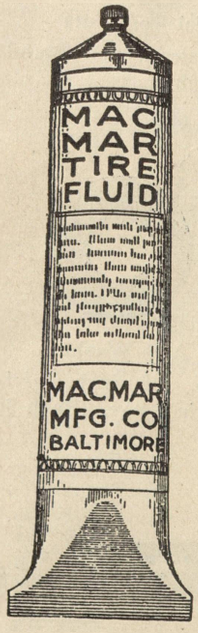
Victor Tire Tape
1 oz., 2 oz., 4 oz. and 8 oz.
Per lb., $1.00

Tip Top Package

Dealers' Special Stock Order

One dozen tubes of Neverleak, packed as usual in counter display box, and 11 dozen tubes packed loose. One dozen extra certificates free.

Price (1 gross Neverleak 4 oz., and 24 certificates), per case.....$30.00

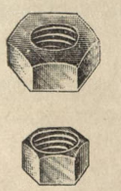


Mac-Mar Tire Fluid

Prevents porousness and small punctures. Will not injure Tire. Packed 3 dozen in carton. Per tube.....$0.25

Axle, Nuts, Etc.

Front, 5-16; 24 thread, each.....15c Rear, 3-8; 24 thread, each 15c

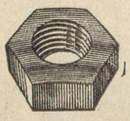


Saddle Nuts

5-16 x 20 thread, each.....5c
1-4 x 20 thread, each.....5c

Pedal Rod Nuts

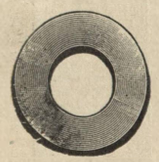
To fit Majestic and Standard Pedals. Each 5c



Nickeled Axle Nuts

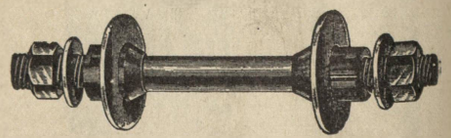
1-4 inch, 20, 22, 24, 26, 28, 30, 32 thread.
9-32 inch, 20, 22, 24, 26, 28, 30, 32 thread.
5-16 inch, 18, 20, 22, 24, 26, 28, 30, 32 thread.
3-8 inch, 20, 22, 24, 26, 28, 30, 32 thread.

Each, 5c



Axle Washers

1-4, 5-16, 3-8 inch, nickel-plated, packed 100 in a box. Each $0.05.



Hub Axle Sets

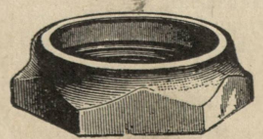
5-16 and 3-8 inch, each, 40c

Special Axle Set

To fit N. D. front hubs, each $0.50

Flat Locknuts

1-inch x 24 thread, right
Each, $0.25



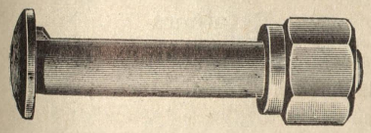
Flanged Lock-nuts

1-inch x 24 thread, right
Each, $0.25

Hanger Lock-nuts

To fit Harris, Miami, Pope, Davis and Emblem Hangers.
Each, $0.25

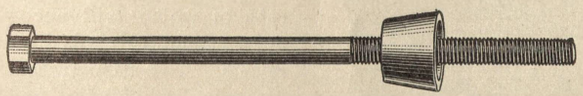
Bolts and Nuts



Clamp Bolts and Nuts

1½x5-16.....Each $0.15
1¾x5-16.....Each .15
2 x5-16.....Each .15

Expander Bolts with Lugs



Bolts 5-16 inch diameter, 4¾ inches long, each.....$0.25
Bolts 5-16 inch diameter, 6 inches long, each..... .25

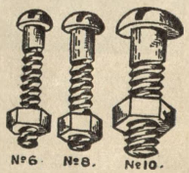
LUGS TO FIT ABOVE EXPANDER BOLTS

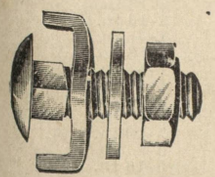
Lugs for 7-8. Each.....$0.10

Round Head Nickeled Screws

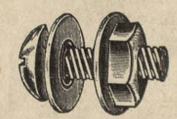
Can be used on Bells, Toe Clips, Mud and Chain Guard Attachments

Assorted Sizes, 1 gro. in Box. Per box.....$1.50





Troxel Bolt and Nut
Each, $0.10



Toe Clip Bolts and Nuts
Pair, $0.10

Mud Guard Bolts and Nuts
Each, $0.05

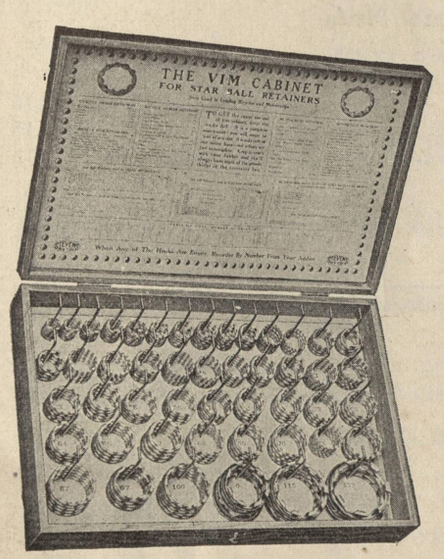
Extension Bolt
Each, $0.10

Ball Bearings

Steel Balls

1-8 inch, per doz. 5c
5-32 inch, per doz. 5c
3-16 inch, per doz. 10c
7-32 inch, per doz. 10c
1-4 inch, per doz. 10c
9-32 inch, per doz. 15c
5-16 inch, per doz. 15c
3-8 inch, per doz. 15c
7-16 inch, per doz. 35c

We also carry a full line of larger sizes for automobile use. See Auto Catalog.



The Star Cabinet for Ball Retainers

Every Motorcycle and Bicycle dealer should have a Star Cabinet.

It shows at a glance just what stock is on hand and saves time filling orders and making repairs.

The Star Cabinet contains 52 hooks, each of which will accommodate one dozen small or 1-2 dozen large Retainers. The assortment contains all the popular bicycle and motorcycle sizes; the stock number of which is designated clearly under each hook.

In the cover of the cabinet is displayed a most valuable reference list which gives complete specifications of Star Retainers used on all standard machines.

Price, cabinet only.....$4.00

STAR BALL RETAINER SIZES IN MORE GENERAL USE

No.	Cup Size	Size of Balls	No. of Balls
3	3-4 in.	3-16 in.	6
4	25-32 in.	3-16 in.	6-7
5	13-16 in.	3-16 in.	7
6	7-8 in.	3-16 in.	7-8
8	29-32 in.	1-4 in.	6
9	15-16 in.	3-16 in.	8
10	15-16 in.	1-4 in.	6
12	1 in.	3-16 in.	8-9
13	1 in.	1-4 in.	6
14	1 1-32 in.	9-35 in.	5
15	1 1-16 in.	3-16 in.	9
16	1 1-16 in.	1-4 in.	7
18	1 5-64 in.	1-4 in.	7
19	1 3-32 in.	1-4 in.	7
20	1 1-8 in.	1-4 in.	7
21	1 1-8 in.	5-16 in.	5
23	1 5-32 in.	1-4 in.	8
24	1 5-32 in.	5-16 in.	5
25	1 3-16 in.	1-4 in.	8
26	1 1-4 in.	1-8 in.	17
27	1 1-4 in.	1-4 in.	8
28	1 1-4 in.	5-16 in.	6
29	1 5-16 in.	1-8 in.	19
30	1 5-16 in.	1-4 in.	9
31	1 5-16 in.	3-8 in.	5
33	1 11-32 in.	1-4 in.	9
34	1 11-32 in.	5-16 in.	7
35	1 3-8 in.	1-8 in.	19
36	1 3-8 in.	5-32 in.	16
37	1 3-8 in.	1-4 in.	9
38	1 7-16 in.	5-32 in.	17
39	1 7-16 in.	3-16 in.	14
41	1 7-16 in.	5-16 in.	7
42	1 15-32 in.	1-4 in.	10
44	1 15-32 in.	5-16 in.	8
46	1 1-2 in.	5-16 in.	8

No.	Cup Size	Size of Balls	No. of Balls
47	1 1-2 in.	3-8 in.	7
51	1 35-64 in.	3-16 in.	15
52	1 9-16 in.	3-16 in.	15
53	1 9-16 in.	1-4 in.	11
54	1 9-16 in.	5-16 in.	9
55	1 19-32 in.	1-4 in.	11
56	1 39-64 in.	5-16 in.	8-9
57	1 5-8 in.	3-16 in.	17
58	1 5-8 in.	1-4 in.	11
59	1 5-8 in.	5-16 in.	9
60	1 5-8 in.	3-8 in.	7
61	1 41-64 in.	5-16 in.	9
62	1 3-4 in.	1-4 in.	12
63	1 3-4 in.	5-16 in.	10
64	1 25-32 in.	5-16 in.	9
66	1 13-16 in.	5-16 in.	10
67	1 13-16 in.	3-8 in.	8
68	1 55-64 in.	1-4 in.	12
69	1 7-8 in.	5-16 in.	10
70	1 15-16 in.	1-4 in.	14
71	2 in.	5-16 in.	11
72	2 1-16 in.	3-8 in.	9
73	1 15-32 in.	5-32 in.	17
76	11-16 in.	1-8 in.	8
77	1 1-4 in.	3-16 in.	11
78	1 1-8 in.	3-16 in.	10
80	1 5-16 in.	3-16 in.	12
85	43-64 in.	5-32 in.	7
87	2 1-8 in.	5-16 in.	12
88	2 27-32 in.	5-8 in.	7
89	5-8 in.	1-8 in.	8
91	1 17-32 in.	1-4 in.	10
94	1 13-64 in.	7-32 in.	9
97	1 31-32 in.	3-8 in.	8
99	1 37-64 in.	1-4 in.	11
109	2 3-16 in.	5-16 in.	12
139	3 in.	5-16 in.	18

STAR BALL RETAINERS

Sizes Used by Bicycle and Coaster Brake Makers

Following is a revised list of ball retainer sizes used by the bicycle and coaster brake manufacturers. This information is up-to-date according to the best information that we have been able to obtain.

Buffalo Metal Goods Co.,
Hub—10
Brake—19—58
Other models also use 42

The Corbin Screw Corp.,
Brake—Nos. 31 and 60
Hubs—Nos. 10 and 13
Also use 1, 5, 13, 19, 21, 28, 34, 72, 76, 87 and 97

Eclipse Machine Co.,
Brake (Morrow)—Nos. 23, 55, 68
Hub—No. 13
Front Hub—No. 10
Other models use 30 and 34

New Departure Mfg. Co.,
Brake—Nos. 24 and 46
Front Hub—No. 10
Also use Nos. 4, 16, 34, 61, 67

Westfield Mfg. Co.,
Current Models—
Head—Nos. 38 and 52
Hub—No. 6
Hanger—Nos. 37 and 64
Other Models—
Head—Nos. 26, 29, 35
Hub—Nos. 5 and 13
Hanger—Nos. 30, 63

The *Consolidated Mfg. Co.,
Models—
Head—No. 39
Hanger—No. 62
Other Models—
Hub—Nos. 4, 10 and 24
Hanger—No. 58

The Crosby Co.,
Head—Nos. 29 and 36

*The Yale bicycle, formerly made by this concern, is now made by the Davis Sewing Machine Co.

The Davis Sewing Machine Co.,
Current Models—
Hub—Nos. 5 and 10
Head—No. 73
Hanger—No. 66
Other Models—
Hub—Nos. 6, 13, 16
Head—No. 29
Hanger—Nos. 58 and 59

Emblem Mfg. Co.,
Current Models—
Hanger—No. 62

Excelsior Cycle Co.,
Head—No. 52
Hanger—No. 63

Gendron Wheel Co.
Current Models—
Hub—No. 13
Head—No. 39
Hanger—Nos. 42 and 59
Other Models
Hub—Nos. 4, 21 and 28
Head—Nos. 29 and 36

Great Western Mfg. Co.,
Current Models—
Head—No. 51
Hanger—Nos. 56 and 63
Head (Reading Cycle)—No. 51 Special
Other Models—
Head—Nos. 29, 36 and 73
Hanger—Nos. 51 and 56

The Hudson Mfg. Co.,
Head—No. 36

Iver Johnson's Arms & Cycle Works
Head—No. 39
Hanger—No. 46

The Miami Cycle & Mfg. Co.,
Current Models—
Brake (Musselman)—Nos. 16 and 37
Head—No. 51
Hanger—Nos. 16 and 66
Other Models—
Head—No. 36
Hanger—Nos. 19 and 46
Brake—Nos. 13 and 37

†National Cycle Mfg. Co.,
Hub—Nos. 4 and 13
Hanger—No. 46

Pierce Cycle Company,
Current Models—
Nos. 61 and 62

Reading-Standard Co.,
Hub—Nos. 4 and 13
Hanger—Nos. 56, 60 and 63
Head—No. 36

H. P. Snyder Mfg. Co.,
Current Models—
Hub—Nos. 6, 7 and 13
Head—No. 51
Hanger—Nos. 56 and 66
Other Models—
Head—Nos. 29, 39

The Toledo Metal Wheel Co.,
Current Models—
Head—No. 39
Other Models—
Head—Nos. 29 and 36

Arnold Schwinn & Co.,
Head—No. 73
Hanger—No. 66
Hub—Nos. 6, 16

†The National Bicycle is now made by the Davis Sewing Machine Co.

COASTER BRAKE SIZES

"Old Morrow"—Use No. 18 retainers.

"Morrow"—Use Nos. 23, 55, 68 and 87 retainers.

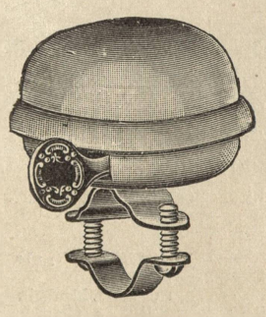
"New Departure"—Use Nos. 24 and 46 retainers.

"Corbin"—Use Nos. 31, 60, 87 and 97 retainers.

"Atherton"—Use Nos. 19 and 58 retainers.

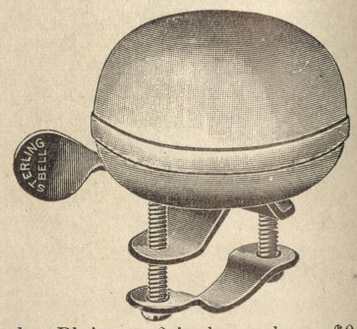
"Musselman"—Use Nos. 13, 16 and 37 retainers.

Bells

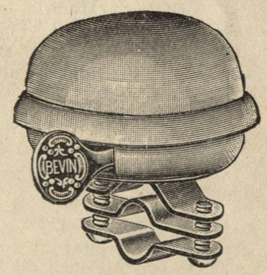


Each

No. 1 Electric Stroke, 1¾ in.....$0.25
No. 2 Electric Stroke, 2 in..... .35
No. 3 Electric Stroke, 2½ in..... .45

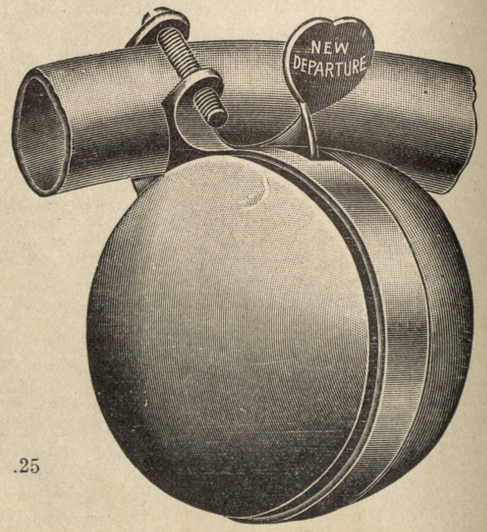


Leader Plain. 2 inch, each.....$0.35
Leader Plain. 2¼ inch, each ..... .40
Leader Plain. 2½ inch, each..... .50



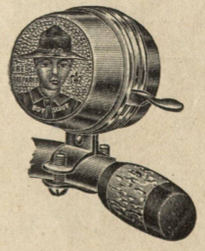
Velocipede Bell

No. 1810 1¾ in. with small clip.... .25

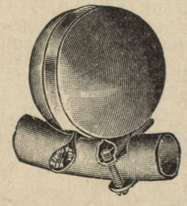


Multiple Tone or Chime Bells

No. 30-C. 3 inch, each.....$2.25

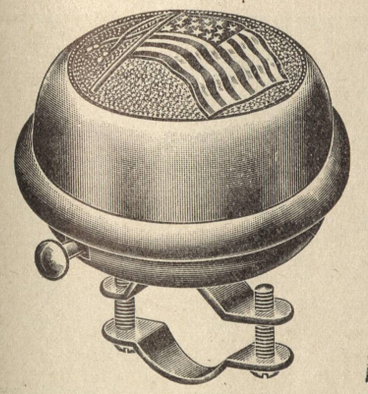


No. 13-O
Rotary Chime
2½ inch
Each, 75c

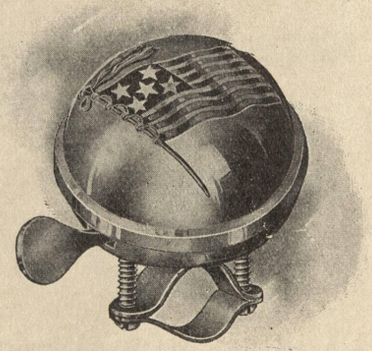


Leader Chime
2½ inch
Each, 75c

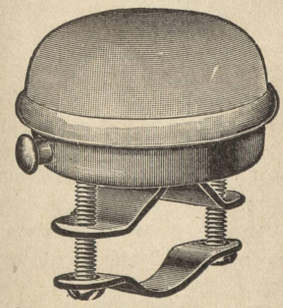
Bells



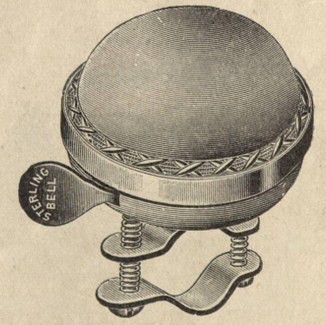
413 AF 2¼ Push Button
Each 85c



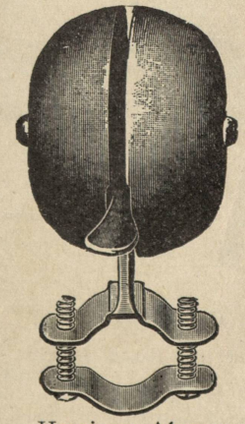
No. 42. 2½-inch Electric Stroke each 60c



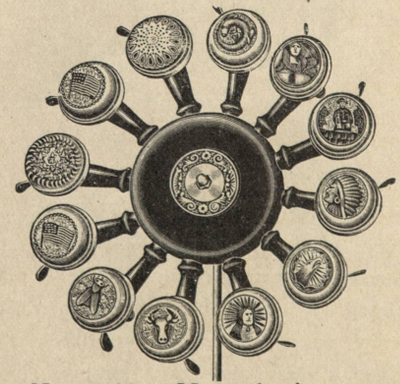
No. 403 2¼-inch Push Button, each 65c



No. 260 1¾-inch Electric Stroke, each.....50c

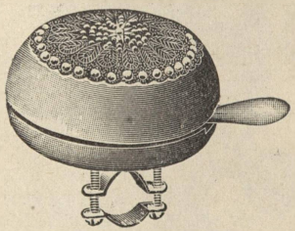


Harrison Alarm
Each $1.25



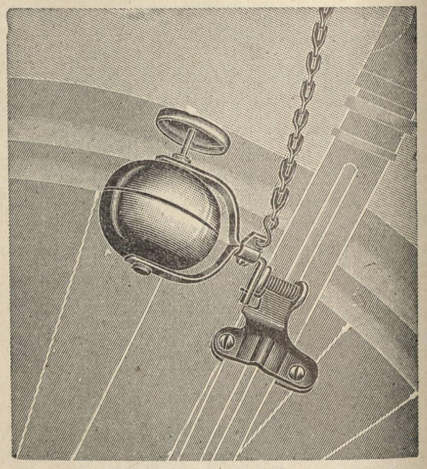
No. 6000. Monarch Assortment.
2⅜-in. Cast Bell Metal Gongs, Enameled, each 75c

Bells



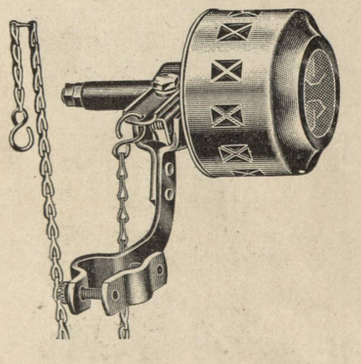
No. 9½ Cast Bell Metal Gongs

Nickel finish, 3-inch Gong, enameled in colors. Price, each.....$0.90



Regina Tire Bell

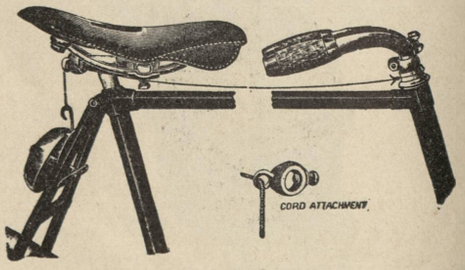
The Regina Bell can be attached to the front fork side of a bicycle, and the fly wheel which operates directly against the side of the tire makes it possible to use the Regina on any bicycle equipped with guards. The gong is made of the best two-tone chime type, giving a clear and loud sound. Price, each.....$1.00



No. 4 Screech Owl Siren

Each, $1.00

The Screech Owl Siren is a very efficient warning signal. Strongly constructed and nickel plated. It has a hard fibre roller which when pressed against tire gives a clear and loud sound. Can be attached to the fork side of any bicycle. Price, each $1.00



Alarm Gongs

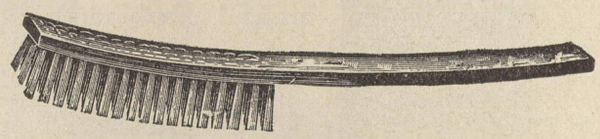
Clear the Road Alarm

No. 86. 4-inch Gong, each $1.50
No. 87. 5-inch, each..... 1.75
No. 88. 6-inch, each..... 2.25

Brushes, Batteries, Etc.

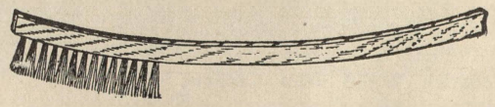
Columbia Dry Cells

No. 6 Igniters, Red Top, each 40c



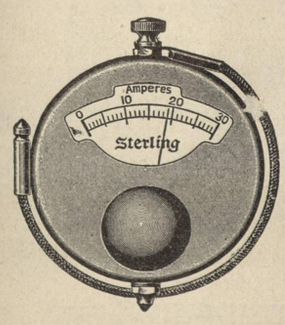
Braziers' Cleaning Brush

For removing hot spelter. It does away with cold filing, and is indispensable to bicycle and automobile repairmen. Three rows, round tempered steel wire, 1⅛ inch long, wire drawn. Each, 50c.



Chain Brushes

No. 11. Single row bristles, each, 20c
No. 22. Double row bristles, each, 30c



Battery Testers

No. 24. Sterling Ammeter, each $1.00

No. 34C. Sterling Voltmeter, 50v, each 2.75

No. 206. 50v, each 1.00

Can be used for testing Radio "B" batteries.

Enamel Brushes

Perfection Camel's Hair, each, 15c

Windsor Camel Hair

1 inch wide, 1 doz. on card, each, 20c

Cements

No. 4 Rubber Cement

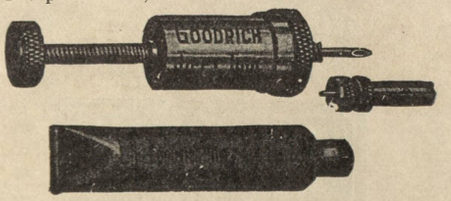
3-4x4 Tubes, each.....$0.10
1x4 Tubes, each..... .15
1-4 pint cans, each..... .25
1 pint cans, each..... .60
Quart cans, each..... 1.00

Goodrich Wood Rim Cement

1 qt. cans. Each.....$0.75

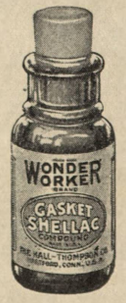
Goodrich Vulcanizing Cement, No. 434

Gallon cans, each $4.95
Quart cans, each 1.25
Pint cans, each ..... .65
1-4 pint cans, each ..... .25



Jiffy Tool

Price with tube Jiffy, each.....$0.50



Wonder Worker Shellac

2 oz. bottles with Swab, each.....$0.20

Two Star Shellac

1 qt. cans, each.....$1.25
1 gal. cans, each..... 4.00

Holdfast Shellac

2 oz. Bottles with Swab. Each....$0.25
1 gal. Cans. Each..... 7.00

U. S. Rim Cement

2 oz bottles, each $0.15

Goodrich Jiffy

For the instantaneous repair of punctures in single tube tires of all kinds.

Tubes 3-4x4, per tube.....$0.10
Tubes, 1x4, per tube..... .15
1-4 pint cans, each..... .30
1-2 pint cans, each ..... .60
1 quart cans, each 2.00

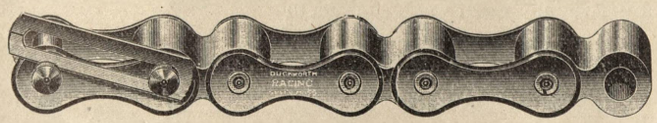
Hub Shellac

2 oz. bottles, each.....$0.20

BICYCLE CHAINS

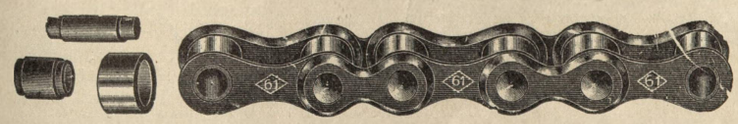
Duckworth Chains

No. 90. Duckworth Roller, 3-16 and 1-8, 1 inch pitch.....$2.00
No. 90. Duckworth Roller, 1-4, 1 inch pitch..... 2.50
No. 190. Duckworth Roller, 3-16 and 1-8, 1-2 inch pitch. Each..... 2.25



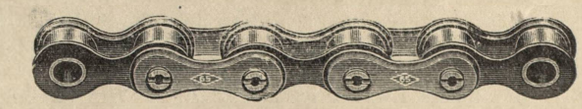
No. 30. Duckworth Racing Chain, 1 inch pitch, 3-16 block, the strongest chain of its weight in the world. Each.....$5.00

Diamond Chains

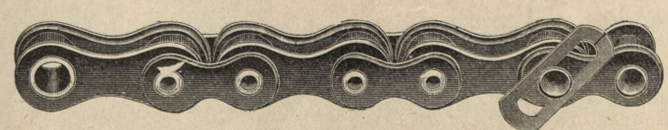


No. 61. Diamond Roller Chains. 1 inch pitch, 1-8, 3-16 and 1-4. Each.....$2.00

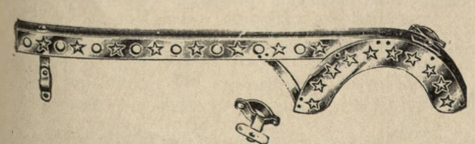
No. 65. Diamond Roller Chains, 1-2-inch pitch, 1-8 and 3-16. Each, $2.75.



Imported Chains

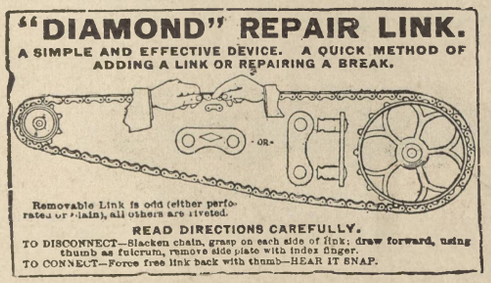


Imported Roller Chain. 1 inch pitch, 3-16 wide. Each.....$1.75



Metal Chain Guards
Metal, nickel plated. Each, $1.00

Chains and Parts


"DIAMOND" REPAIR LINK.
A SIMPLE AND EFFECTIVE DEVICE. A QUICK METHOD OF ADDING A LINK OR REPAIRING A BREAK.
-OR-
Removable Link is odd (either perforated or plain), all others are riveted.
READ DIRECTIONS CAREFULLY.
TO DISCONNECT—Slacken chain, grasp on each side of link; draw forward, using thumb as fulcrum, remove side plate with index finger.
TO CONNECT—Force free link back with thumb—HEAR IT SNAP.

Diamond Block Links

No. 0. 1-8 x 1 inch. Each $0.10

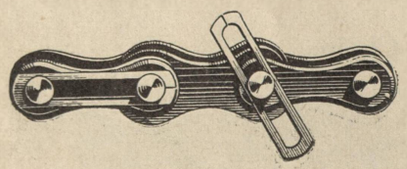
Diamond Blocks

No. 9. 3-16, 1-4 x 1 in. pitch. Each.. .10

Diamond Connectors

No. 9. 3-16, 1-4 x 1 in. pitch. Each.. .10

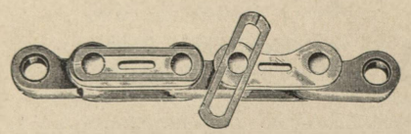
Packed 20 in carton

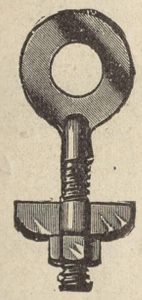


Duckworth Repair Links

Roller or Connecting Links Packed 25 in Box

	Each
No. 90. Rollers 1-8 or 3-16x1 pitch	$0.10
No. 90. Rollers 1-4x1 pitch	.10
No. 90. Connectors 1-8 or 3-16x1 pitch	.10
No. 90. Connectors 1-4x1 pitch	.10
No. 190. Rollers 1-8 or 3-16x1-2 pitch	.10
No. 190. Connectors 1-8 or 3-16x1-2 pitch	.10
No. 45. Blocks 1-8 or 3-16	.15
No. 45. Blocks 1-4	.15
No. 45. Connectors 1-8 or 3-16 pitch	.15
No. 45. Connectors 1-4 pitch	.15



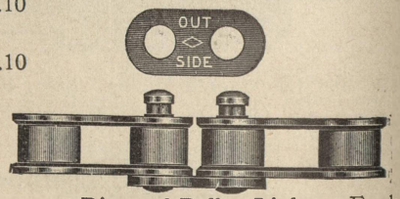


Chain Adjusters

With clip and nut. Per pair, $0.20

Chain Adjusting Screws

To fit Great Western, Davis, Harris, Pierce, Emblem and Pope Bicycles. Per pair, $0.25



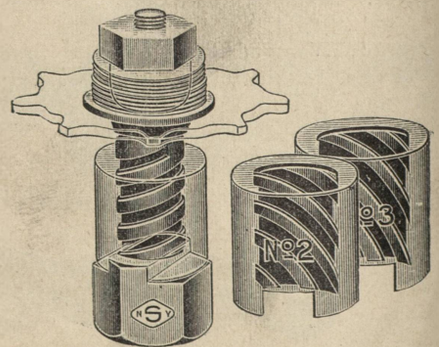
Diamond Roller Links

	Each
No. 61. 1-8, 3-16, 1-4x1 in. pitch	$0.10
No. 65. 1-8, 3-16x1-2 in. pitch	.10

Diamond Connectors

No. 61. 1-8, 3-16, 1-4x1 in. pitch	.10
No. 65. 1-8, 3-16x1-2 in pitch	.10

Packed 200 in carton.



Stevens Coaster Clutch Tool

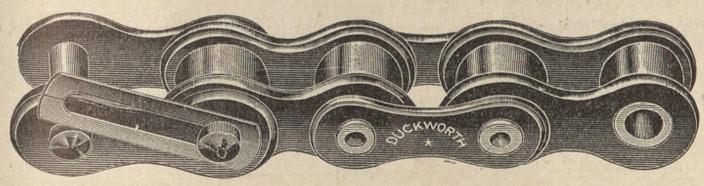
The Stevens Coaster Clutch Tool permits the tightest sprocket to be removed without danger of injury to any of the parts.

The set includes 3 bushings which fit all the coaster brakes on the market.

Price per set, complete, $2.50

Motorcycle Chains and Parts

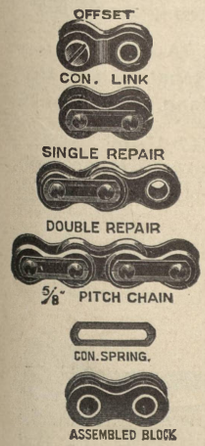
Duckworth Chains



Duckworth No. 70. Heavy Chain, 5-8 pitch, 1-4 inch wide. Per foot.....$1.00
Duckworth No. 170. Heavy Chain, 5-8 pitch, 3-8 inch wide. Per foot..... 1.25

Duckworth Special Heavy Chain

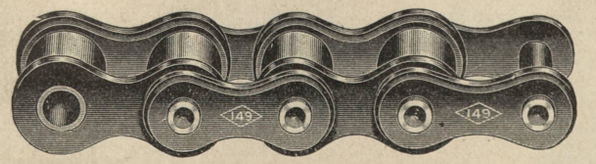
No. 175. Special Heavy Chain, 3-8 x 5-8 inch. Per foot..... 1.50



Duckworth Motorcycle Repair Links

Connecting Link for No. 70 chain	Each	$0.15
Single Repair Link for No. 70 chain	Each	.27
Double Repair Link for No. 70 chain	Each	.42
Offset Link for No. 70 chain	Each	.25
Assembled Block for No. 70 chain	Each	.10
Side Springs for No. 70 chain	Each	.03
Connecting Link for No. 170 chain	Each	.18
Single Repair Link for No. 170 chain	Each	.25
Double Repair Link for No. 170 chain	Each	.40
Offset Link for No. 170 chain	Each	.25
Assembled Block for No. 170 chain	Each	.12
Side Springs for No. 170 chain	Each	.03

Diamond Chains

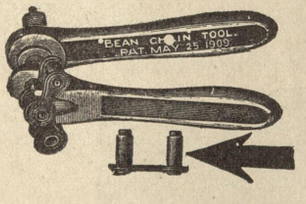


Diamond No. 449 Chain Extra Heavy

The Diamond No. 449 Chain is built to meet the severest conditions of wear. Made from heavy material throughout.

No. 449 Chain, 5-8 pitch, 3-8 inch wide, per foot.....$0.90

Chain Tools



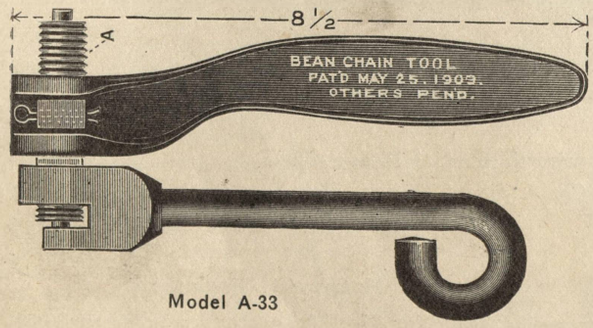
BEAN CHAIN TOOL A-1

Figure A represents our new tool for removing rivets from motorcycle chain. It will easily and quickly remove them. (See figure B.) Only a few seconds required to replace broken link with a new one.

Price, $1.25

Model B-1 Bean Chain Tool

For Bicycle Roller Chains, each.....$0.85



Model A-33

Manufacturers of motorcycles are using a much heavier chain than formerly used. The rivets being much harder to remove, has caused an extensive demand for a tool that would work easier than our Model A-1.

Model A-33 for Store and Repair Shop Use, 8½ long. Each $1.75.

MODEL A-22. Designed for Motorcycle Riders. 6½" Long.

Made a little smaller than A-33, but amply strong for all requirements for this purpose. Handles close and compact; easily carried in tool box. Price, each $1.50

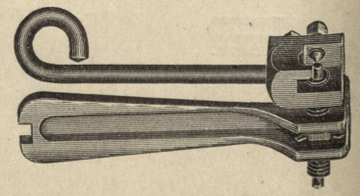
DUCKWORTH CHAIN GRIPS

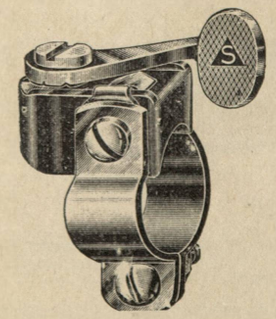
Duckworth Chain Grips, each.....$0.35

Simplex Magneto Cutout

Attaches to handle bar, and is connected to magneto with insulated wire, and by pressing the button spark of magneto is cut out. Used as a Brake for descending hills.

Price (with wire).....$0.75





Carbureter Wrench

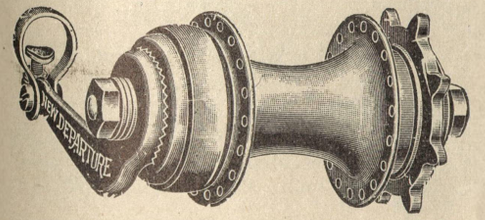
This handy little wrench will make all adjustments on the Schebler carbureter.

Price, $0.60

Simplex Handle Bar Switch

Price, each, $0.75

Model "A" New Departure Coaster Brake



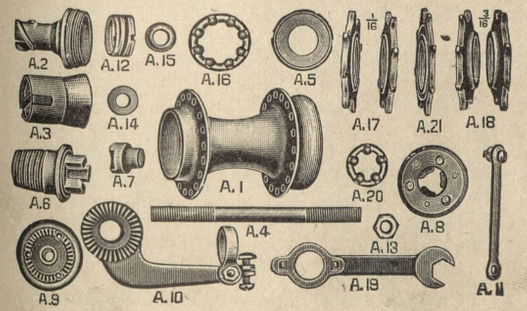
New Departure Coaster Brake

Sprockets 7, 8, 9, 10, 11 and 12 tooth, 1-8 and 3-16 inch. 1 3-8, 1 1-2 and 1 5-8 chain line.

Drilled 28, 32, 36 & 40 holes.

Price, each, $5.50

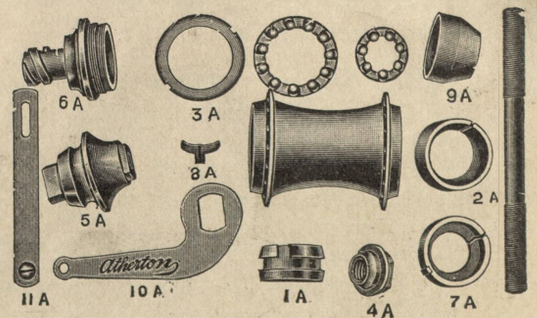
LIST OF PARTS



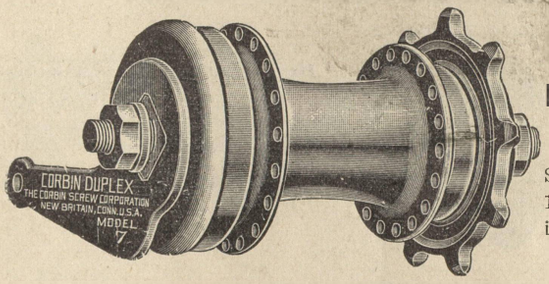
No.	Description	Price
A 1	Hub shell	$2.20
A 2	Driver	1.00
A 3	Clutch sleeve	.40
A 4	Axle	.15
A 5	Sprocket set-nut	.30
A 6	Brake clutch	.70
A 7	Axle adjusting cone	.15
A 8	Brake, complete	.80
A 9	Brake disc	.55
A10	Brake arm	.55
A11	Clip, nut and bolt, per set	.15
A12	Transfer sleeve	.10
A13	Axle nut	.04
A14	Axle washer, plain, per pair	.02
A15	Socket washer	.02
A16	Large ball retainer	.15
A17	Sprocket, 1-16 in. offset	.40
A18	Sprocket, 3-16 in. offset	.40
A19	Wrench	.25
A20	Small ball retainer	.10
A21	Straight sprocket	.40
A22	Split lock washer	.05

NEW ATHERTON PRICE LIST OF PARTS

Hub barrel	$2.00
Sprockets	.40
Retainers, each, with balls	.20
Axle	.25
No. 1A Sliding nut	.40
No. 2A Friction sleeve, brass	.50
No. 3A Sprocket lock-nut	.25
No. 4A Small cone	.30
No. 5A Large cone	.80
No. 6A Driving sleeve	.90
No. 7 Driving cup	.45



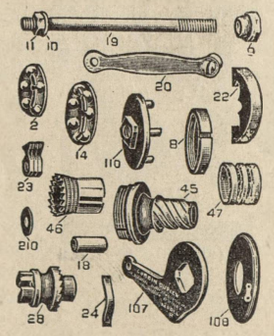
No. 8A Springs (each, 3c)	.06
No. 9A Brake shoe	.50
No. 10A Side arm	.35
No. 11A Clip and bolt	.15



Corbin Duplex Coaster Brake

Drilled 28, 32, 36 holes. Sprockets 7, 8, 9, 10, 11, 12, 13 and 14 tooth; 1-8 or 3-16 inch. Price, each.....$5.00

Model No. 8, Brake



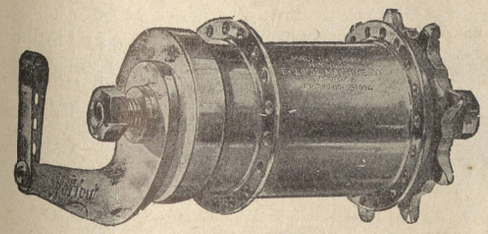
Corbin Duplex Coaster Brake

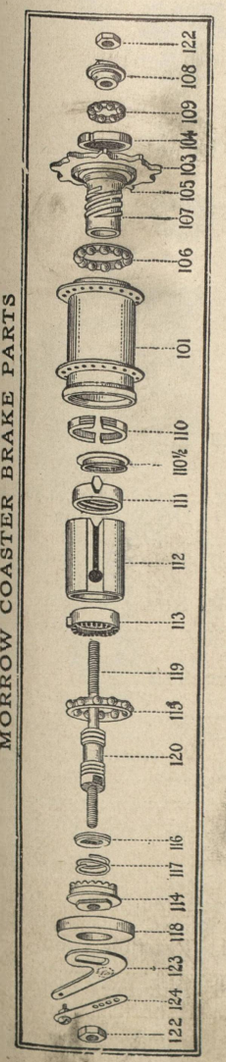
List of Parts for Models Nos. 6, 7, 8.

	List each
2 Small Ball Retainer for Adj. Cone (including Balls)	$0.10
8 Sprocket Lock Nut	.30
9 Right Side Adjusting Cone	.15
10 Axle Washer, pair	.02
11 Axle Nut, each	.04
14 Large Ball Retainer (including Balls)	.15
15 Sprockets, 7, 8, 9, 10, 11, 12	.40
Sprockets, 1" pitch, 13 and 14 tooth	.60
Sprockets, 1" pitch, 16 tooth	.85
18 Bushings	.25
19 Axle	.15
20 Band Connecting Brake Arm to Frame	.10
22 Brake Shoes, pair	.30
23 Brake Shoe Levers, set of 6	.20
24 Brake Shoe Springs, set of 4	.10
28 Braking Clutch	.60
45 Driver	.75
46 Driving Clutch	.40
47 Transfer Sleeve	.10
48 Hub Shell for Models 6, 7 and 8	1.75
107 Arm	.30
108 Dust Cap	.20
110 Anchor Plate	.50
210 Braking Device Washer	.05

Morrow Coaster Brake

Price, $5.00





MORROW COASTER BRAKE PARTS

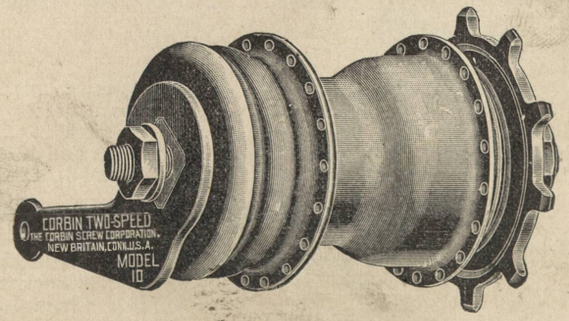
101B Hub case	$2.50
102B Oil-hole cover and screw	.05
103B Sprocket, 7 to 10 teeth	.40
103B Sprocket, 11 to 14 teeth	.65
104B Sprocket lock-nut	.25
105B Sprocket dust-cap	.10
106B Ball Retainer, sprocket side	.20
107B Driving screw	1.25
108B Axle cone, adjusting	.30
109B Ball retainer for axle cone	.12
110B Clutch rings, per pair	.50
110 1-2B Clutch retainer ring	.10
111B Nut and sleeve expander	.60
112B Brake sleeve	1.25
113B Sleeve expander, with teeth	.50
114B Cone, arm side	.50
115B Ball retainer, arm side	.20
116B Retarder washer	.12
117B Retarder spring	.12
118B Dust-cap, arm side	.15
119B Axle	.20
120B Axle bushing	.20
122B Axle nut	.05
123B Arm	.40
124B Arm clip, complete	.10
127B Washer for lost motion	.02

Sprockets are furnished in 7, 8, 9, 10, 11 and 12 tooth, for 1-8, 3-16 and 1-4 inch chains.

By reversing the sprocket, chain line can be changed from 1 1-2 to 1 5-8, and vice versa.

Drilled for 28, 32, 36 and 40 spokes.

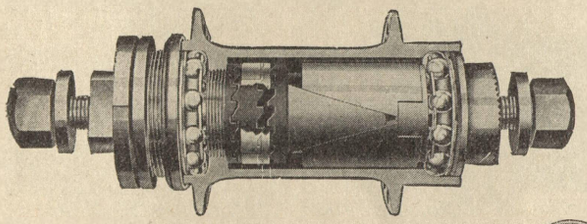
Corbin Two-Speed Coaster Brake



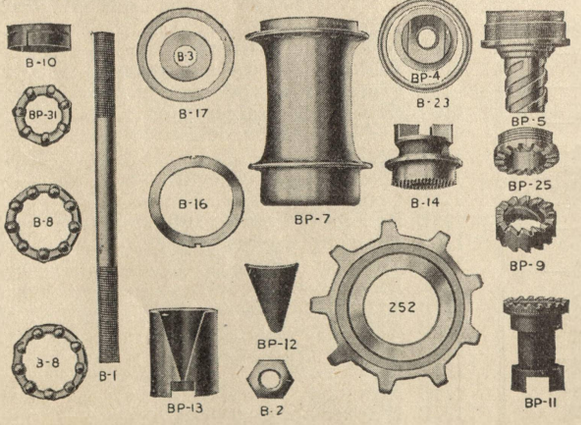
Model No. 10. Price, each, $12.00
Built upon rim, each 13.00

No shifting levers. Will run backward. Change of speed is made automatically and instantaneously.

Musselman Brake



The Musselman Brake has a positive drive, no clutch to slip. Larger and heavier flanges to accommodate larger spokes and a greater breaking surface. Price, $5.00.



1914-1922 Musselman Brake Parts List

	Price Each
B- 1 Axle	$0.25
B- 2 Axle Nut, each	.10
B- 3 Axle Nut Washer, each	.05
BP- 4 Adjusting Cone	.25
BP- 5 Driving Worm	.75
BP- 7 Hub Shell, $1.75 (with clutch seat assembled)	2.00
BP- 9 Driving Clutch	.50
B-10 Drag	.10
BP-11 Brake Spool	.60
BP-12 Brake Wedge	.10
BP-13 Brake Shoe	.75
B-14 Stationary Cone	.50
B-16 Sprocket Lock Nut	.25
B-17 Chain Line Ring	.10
B-23 Dust Ring	$0.10
BP-25 Hub Shell Driving Segment	.25
B-26 Large Ball Retainer and Balls	.25
BP-32 Small Ball Retainer and Balls	.20

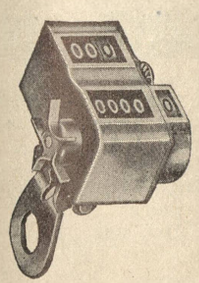
Sprockets

7 teeth	.40
8 and 9 teeth	.40
10 teeth	.40
11, 12 and 13 teeth	.65
14 and 16 teeth	.90

1908-1913 Musselman Parts

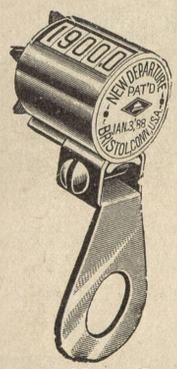
B- 1 Axle	$ .25
B- 2 Axle Nuts, each	.10
B- 3 Axle Nut Washers	.05
B- 4 Adjusting Cone	.25
B- 5 Driving Worm	.75
B- 7 Hub Shell	2.00
B- 9 Driving Clutch	.50
B-10 Clutch Drag	.10
B-11 Brake Spool	.60
B-12 Brake Wedge	.10
B-13 Brake Shoe	.75
B-14 Stationary Cone	.50
B-16 Sprocket Lock Nut	.25
B-17 Chain Line Ring	.10
B-25 Small Ball Retainer and Balls	.20
B-26 Large Ball Retainer and Balls	.25
B-23 Dust Ring	.05
B-24 Spool and Drag Assembled	.70

Cyclometers—Carbide—Cabinets



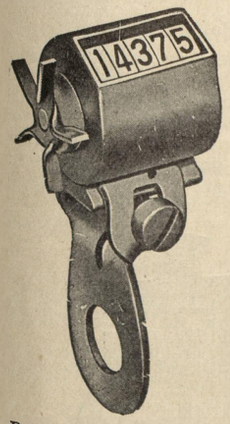
The New Trip Cyclometer

Price, complete for Bicycle $3.00



The New Departure is neat appearing and reliable—a good seller.

Price, $1.25 each



Regular 10,000 Mile Cyclometer

For 26 and 28-in. wheels. Price, $1.50

Veeder Strikers $0.20

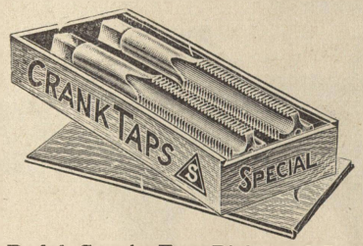
Union Carbide

Size Can	Size	Case Contains	Per Can
2 lb.	½ in.,	24 cans..	$0.35
10 lb.	½ in.,	6 cans..	1.25
10 lb.	1 in.,	6 cans..	1.25
100 lb.	1¼ in.,	drum....	7.50

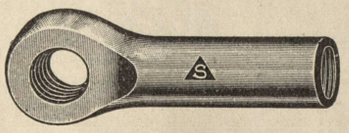
Handy Service Cabinet

Frame is of oak. Has 15 sheet steel drawers, 12 drawers 3x2x12 inches and 3 drawers 6x2x12. Each drawer has card holder and pull. Price, each $10.00

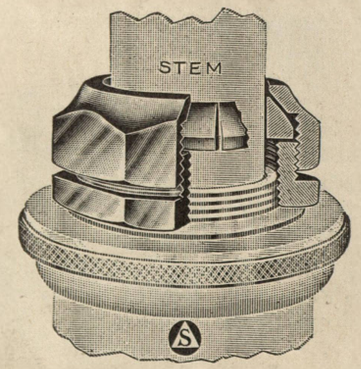
Crank Taps, Etc.—Enamel



Pedal Crank Tap, Right and Left
1-2 x 20 thread, per pair.....$2.00
1-2 x 24 thread, per pair..... 2.00

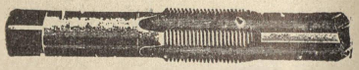


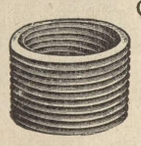
Crank Repair Tips
Round. Per pair $0.50



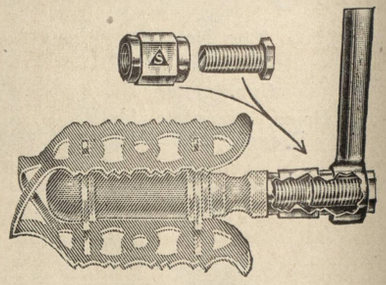
Stevens Compression Fork Lock Nut
Firmly binds fork and handle bar stem. Each, $0.50

ENAMEL
Neal's Colors — Black, Maroon, White, French Gray, Bright Red, Royal Blue, National Blue, Robin's Egg Blue, Sterling Green, Drab, Khaki and Golden Brown, Indian Red and H D Drab.
Bright Red and Light Blue. Each.....$0.35
Black. Each..... .30

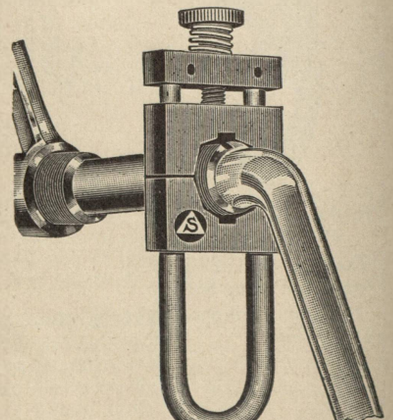




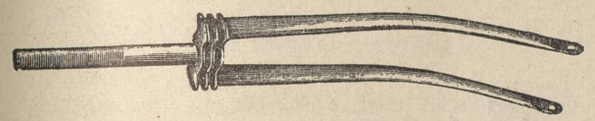
Crank Taps and Reamers
Set includes 2 taps, 12 bushings.
Per set $3.50
Bushings, per dozen pairs 1.00
Taps, per pair..... 2.50



J-G Pedal Bushings
A new and strong way of overcoming stripped cranks. The special bolt is slipped through the stripped crank and screwed into one end of coupling. The pedal screws into other end. Packed 12 pairs in a box, right and left. Price, per pair.....$0.60



Crank Rethreading Die
For rethreading left crank on the most popular, 1-piece hangers 7/8x24 and 7/8x28 thread. Each.....$3.00



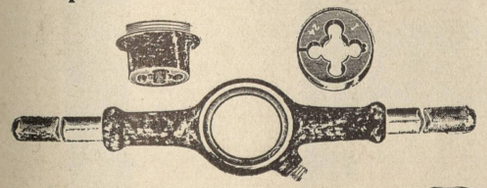
Repair Forks

Full Nickeled.....$3.00
Black Enameled..... 2.50
Plain, not finished.. 2.25

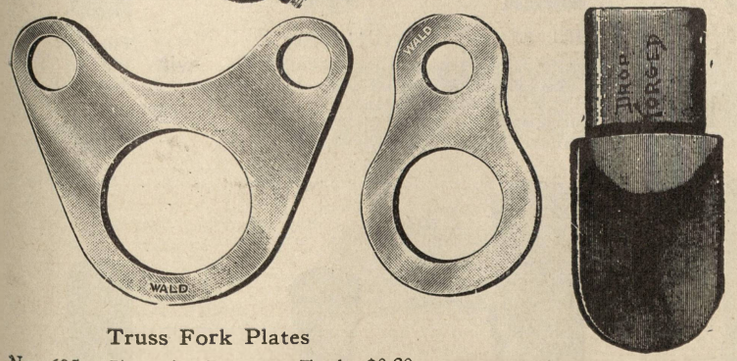
Fits 20, 22 or 24-inch frames, stem is 1 by 24, 8 inches long, and threaded down 5 inches.

Truss Repair Forks
Anti-Rust Finish, 20 or 22 inch. Each $3.75.

Special Fork Stem Stock and Die No. 5 with Guide



Stock is 24 inches long, die 2 3-16 inches O. D., 1 inchx24 thread furnished regularly. Fitted with guide.
Price $6.00.



Truss Fork Plates
No. 605. For single top. Each, $0.20
No. 606. For double top. Each, .20

Drop forged, 3-4, 7-8, 1 inch.
Per doz., $0.72

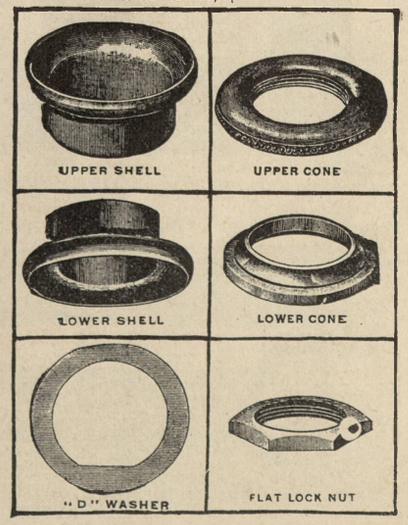
Head Sets

Size		Per Set
No. 1	1¼ cup. Regular	$1.00
No. 2	1 3-16 cup. Regular	1.00
No. 3	1 7-32 cup. Regular	1.00
No. 4	1 5-16 cup. Regular	1.00
No. 7	1⅜ cup. Flush	1.00
No. 8	1 9-32 cup. Regular	1.00

Cones to Fit Above Sets

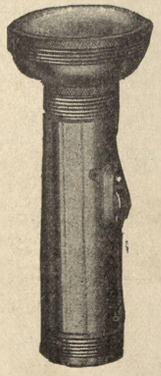
Set	Upper Cone	Each	Lower Cone	Each
No. 1	No. 3751—	$0.35	3761—	$0.25
No. 2	No. 3952—	.35	3102—	.25
No. 3	No. 14183—	.35	3943—	.25
No. 4	No. 3234—	.35	3474—	.25
No. 6	No. 5256—	.35	4126½—	.25
No. 7	No. 3887—	.35	3897—	.25
No. 8	No. 14128—	.35	14118—	.25

Order by Number



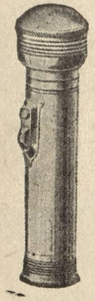
Flashlights—2 Cell Tubular—Nickel and Fibre

Nickel

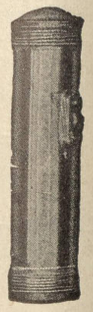


No. 810
with Mazda Bulb
No. 16
Battery No. 90-17
Size 1½x6½
Complete 2.35

No. 804
with Mazda Bulb
No. 11
Battery No. 90-17
Size 1½x6½
Complete 1.85



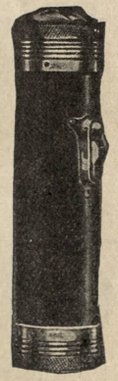
No. 803
with Mazda Bulb
No. 1
Battery No. 91-17
Size 1¼x5
Complete 1.75



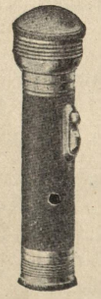
No. 802
with Mazda Bulb
No. 1
Battery No. 91-17
Size 1¼x5
Complete 1.55

Fibre

No. 610
with Mazda Bulb
No. 16
Battery No. 90-17
Size 1½x6½
Complete 2.00

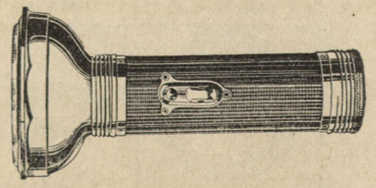


No. 604
with Mazda Bulb
No. 11
Battery No. 90-17
Size 1½x6½
Complete 1.70



No. 603
with Mazda Bulb
No. 1
Battery No. 91-17
Size 1¼x5
Complete 1.50

No. 602
with Mazda Bulb
No. 1
Battery No. 91-17
Size 1¼x5
Complete 1.35



No. 614 Fibre Miner
(Extra Large Head)
with Mazda Bulb No. 16
Battery No. 90-17
Size 1½x6½
Complete 3.00

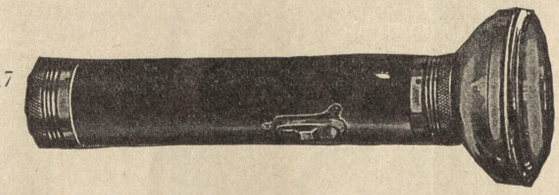
No. 814 Nickel Miner
(Extra Large Head)
Specifications same as above
Complete 3.10

Flashlights

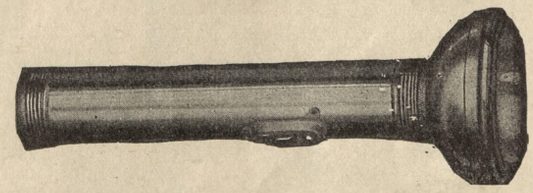
3 Cell Tubular—Nickel and Fibre

Fibre

No. 615
With Mazda Bulb No. 17
Battery No. 05-17
Size 1½x8½
Complete $3.25



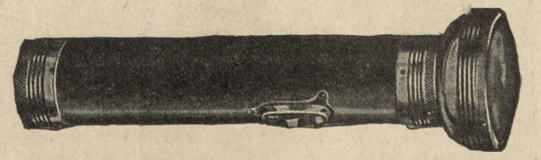
No. 612
With Mazda Bulb No. 17
Battery No. 05-17
Size 1½x8½
Complete $2.25



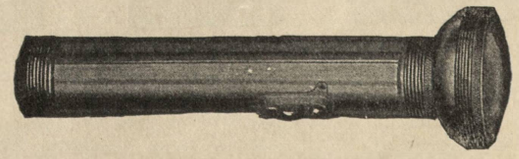
Three cell, size 2½x9¼ inches, takes battery 10
No. 823, Nickel
Each, $3.25
No. 623, Fibre
Each, $3.00

Nickel

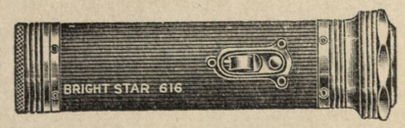
Miner's Light No. 815
With Mazda Bulb No. 17
Battery No. 05-17
Size 1½x8½
Complete $3.50



Miner's Light No. 812
With Mazda Bulb No. 17
Battery No. 05-17
Size 1½x8½
Complete $2.75



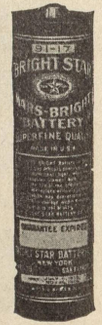
Two cell, size 2⅛x7⅛ inches, takes battery 10
No. 816, Nickel
Each, $2.75
No. 616, Fibre
Each, $2.50



Flash Light Batteries and Bulbs

No. 05-17
3 Cell
Used in
cases Nos.
806 606
812 612
815 615
Each $0.50

No. 90-17
2 Cell
Used in
cases Nos.
804 604
810 610
Each $0.35



No. 91-17
2 Cell
Used in
cases Nos.
802 602
803 603
Each $0.30

No. 11 Unit
Each 15c

No. 10 Unit
Each 17½c

No. 03-17
Used in
3 cell Vest Pocket
cases
Each $0.40

No. 51-17
Used in No. 854
and 3 cell
Cigarette Cases
Each $0.40

No. 50-17
Used in No. 852
and 2 cell
Cigarette Cases
Each $0.30

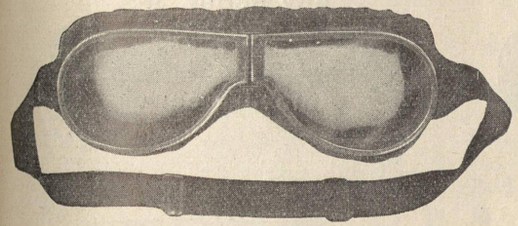
No. 00-17
Used in
Midget Cases
Each $0.30

FLASHLIGHT BULBS

No.	Style	Voltage	Price	No.	Style	Voltage	Price
1	Clear 2 Cell	2-2	.12	17	Clear 3 Cell	3-8	.12
2	Clear 3 Cell	3-3	.12	18	Clear 3 Cell	4	.12
11	Clear 2 Cell	2-3	.12	19	Clear 1 Cell	1-5	.12
16	Clear 2 Cell	2-5	.12				

All Bulbs 12c each

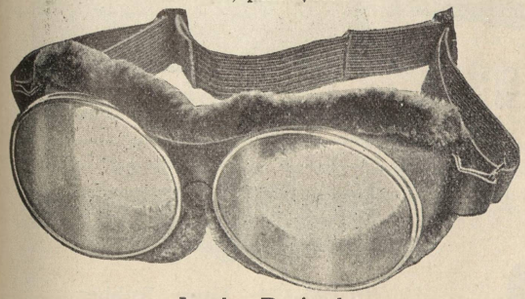
GOGGLES



Non-Shatterable
N. A. K. RESISTAL

The Resistal lenses last forever and may be refitted into new frames when the body of the goggle wears out. That is a reason why Resistal is the cheapest goggle to own.

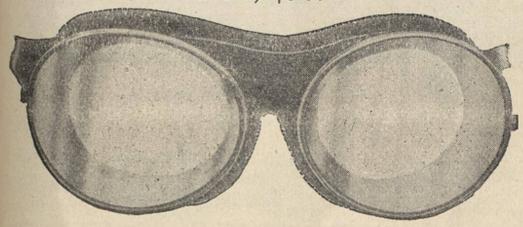
Price, pair $5.00



Jumbo Resistal
Price, pair $3.00
Aluminum Frame, Wide Vision, Chenille Bound.

Indestructo Jumbo
Price, $2.50

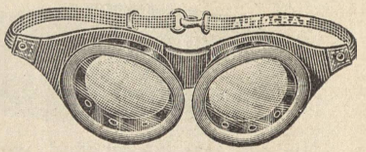
W Y D Resistal
Price, $3.00



No. 220

Hinged metal frame, ventilated, trimmed with chenille, curved glasses, giving maximum range of vision.

Price, $1.25



No. 260
Rubber Goggles

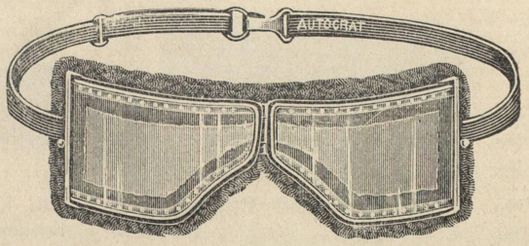
Large oval lenses, adjustable head band. Per pair, $0.75.

No. 427

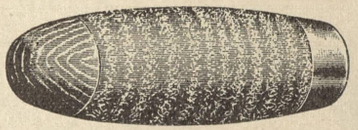
French style, chenille edges, bent glass, clear. Per pair, $1.50.

No. 426

Collapsible cloth cups, edged with chenille, leather nose-piece and tabs, large oval curved glasses, adjustable band. Price, $1.50.

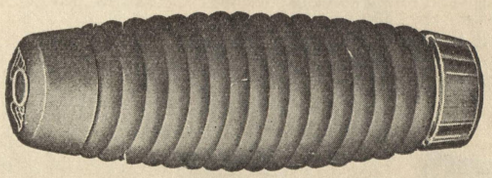


GRIPS



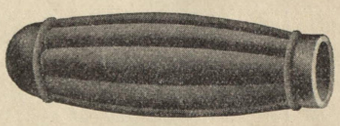
No. 75. One Nickel End, wound leather, 7/8 inch. Pair.....$0.30

No. 68. Wood Tips, wound leather, 5/8, 3/4 inch. Pair.....$0.20

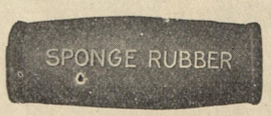


Brigadier No. 94 Rubber Grip, Gray
Per pair $0.35

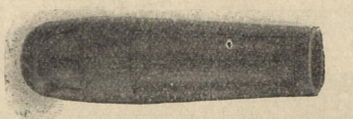
Brigadier No. 123 Red
Per pair $0.45



Patricia Rubber Grip
Per pair $0.35



Sponge Rubber Grips
Per pair $0.40



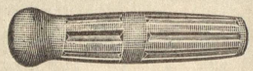
No. 85. Torpedo Gray Rubber Grip
Per pair $0.35

No. 86. Torpedo Red Rubber Grip
Per pair $0.40

BOY SCOUT, JR.

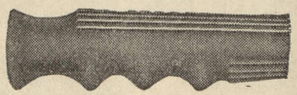
BICYCLE GRIP.

No. 98. Price, per pair.....$0.60
No. 101. Vitalic Red, per pr. .75



Velocipede Rubber Grips
Per pair $0.25

No. 37 4½ in. long. Rubber Grip
Per pair $0.40



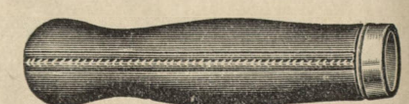
No. 25-178. Gray Rubber
Per pair $0.35

No. 26-179. Red Rubber
Per pair $0.40

Long Bike Grips
Pair $0.40

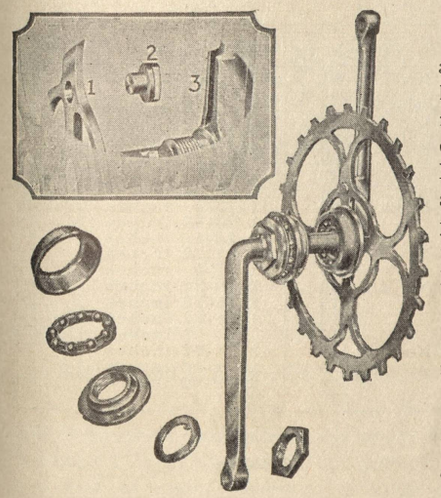
No. 400 M. C. Grips
Pair $0.75

No. 300 M. C. Grips
Per pair $0.60



Bulldog Grip
Extra long wood base. Sewed leather, 7-8 inch. Per pair.....$0.50

Hangers — Hubs

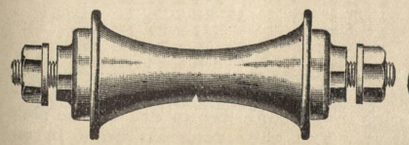


Any sprocket fits this patented Stevens Crank, because the Adjustable Stud (2) and the Grooved Crank (3) permit the use of any sprocket (1).

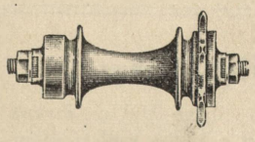
Stevens One-Piece Repair Hanger

Fits any popular one-piece bracket and all sprockets. On your next hanger job, it will please you immensely to see how quickly and precisely you can fit Stevens One-Piece Repair Hanger. So exact is the fit and so wonderful the adjustment, that you would imagine Stevens Hanger was made purposely for that particular bicycle.

Yet, to obtain this excellent fit, only five different cup and cone sizes are required for Stevens One-Piece Hanger, and these few sizes meet the requirements of all popular one-piece brackets. And you can save money on the job, too, because any sprocket now in your stock fits the patented Stevens crank perfectly. Sizes inside diameter of the bracket, 1 3-4, 1 3-16, 1 15-16, 1 31-32, 2 1-32 in.

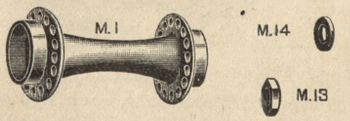


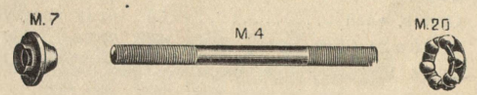
New Departure Front Hub
Drilled 28, 32 and 36 holes.
Each, $1.25



Rear Hubs, New Departure
Drilled 36 holes.
Rear, each $2.50

New Departure Racing Hubs
Front, each $2.00
Rear, each 3.50
B. S. A. Hubs. Prices on application.



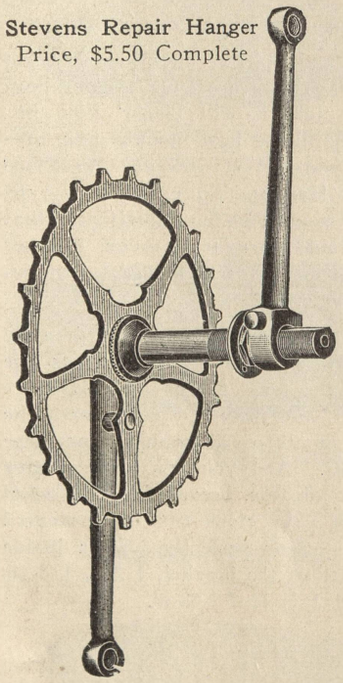


New Departure Front Hub Parts

No.	Description	
M 1.	Hub shell	$0.70
M 4.	Axle	.07
M 7.	Cones (2) each	.10
M 13.	Axle nut	.02
M 14.	Axle washer, plain, per pr.	.01
M 15.	Socket washer	.02
M 20.	Ball retainer	.07
	Split lock washer, pair	.05

The "Stevens" Repair Hanger

Stevens Repair Hanger
Price, $5.50 Complete



CUPS

Cup Number		Outside Diam.	Size of Ball
Group No. 1	501	1 1-2 inches	1-4
	502	1 17-32 inches	1-4
	503	1 9-16 inches	1-4
Group No. 2	504	1 19-32 inches	5-16
	505	1 5-8 inches	5-16
	506	1 21-32 inches	5-16
	507	1 11-16 inches	5-16
	508	1 23-32 inches	5-16
Group No. 3	509	1 3-4 inches	3-8
	510	1 25-32 inches	3-8
	511	1 13-16 inches	3-8
	512	1 27-32 inches	3-8
	513	1 7-8 inches	3-8
Group No. 4	514	1 19-32 inches	3-8
	515	1 15-16 inches	3-8
	516	1 31-32 inches	3-8
	517	2 inches	3-8
Group No. 5	518	2 1-32 inches	3-8
	519	2 1-16 inches	3-8
	520	2 3-32 inches	3-8
	521	2 1-8 inches	3-8

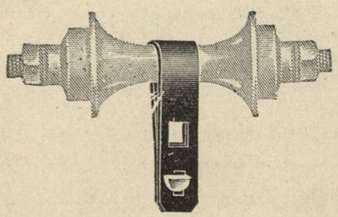
CONES

Cone No.	Outside Diam.	Inside Size	Fits Group No.
551	1 3-8	11-16 x 24 L. H.	1
552	1 3-8	3-4 x 24 R. H.	1
553	1 7-16	11-16 x 24 L. H.	2
554	1 7-16	3-4 x 24 R. H.	2
555	1 5-8	11-16 x 24 L. H.	3
556	1 5-8	3-4 x 24 R. H.	3
557	1 3-4	11-16 x 24 L. H.	4
558	1 3-4	3-4 x 24 R. H.	4
559	1 13-16	11-16 x 24 L. H.	5
560	1 13-16	3-4 x 24 R. H.	5

All the cups in any one group are of the same inside diameter and therefore all cups in one group are fitted by one pair of cones. It takes only the five pairs of cones to fit the 21 sizes of cups. There are 21 outside but only 5 inside diameters to the cups.

PARTS

"L" Crank only, each....$1.80
Threaded Crank only, each 1.00
Cups, each ..... .50
Cones, each ..... .50
11-16 x 24 Lock Nuts, each .20
11-16 "D" Washers, each .05
3-8 Cotter Pins, for this hanger, each ..... .20
Sprockets 24 or 26 tooth, 3-16 thick, each 2.00

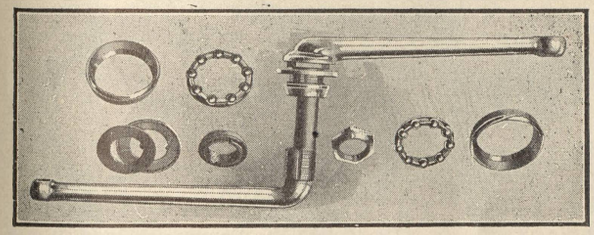


Hub Straps

Bolton's Shine-M-Up Straps for Bicycle Hubs and Coaster Brakes.
Price, each.....$0.10

Twenty on card, containing 10 front (short) and 10 rear (long) Straps.

Hangers and Parts



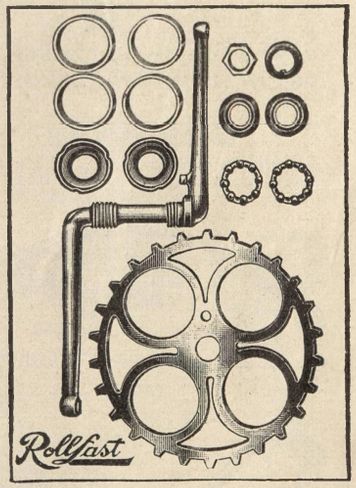
PARTS TO FIT INDIAN AND POPE BICYCLES.

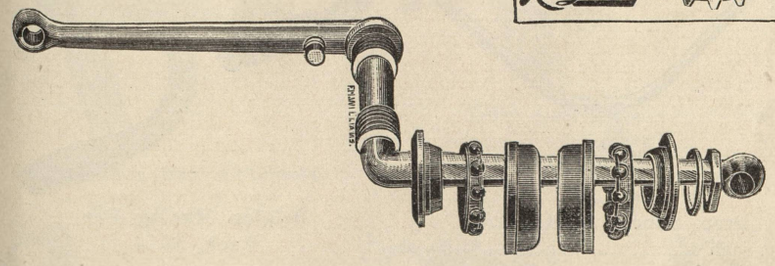
Crank .....Each $3.50
Cups .....Each .50
Cones .....Each .50
Retainers ....Each .30
Lock Nut....Each .20

ROLLFAST REPAIR HANGER.

One piece cranks, sprocket 24 or 26 teeth; will fit brackets from 2½ to 3¼ inches wide; has cups 1 25-32 of an inch in diameter, also two sets of extra bushings to make cups 1 15-16 and 2 1-32 inches, allowing a wide range of cup sizes. Complete with balls, ball retainers, key washer and lock nut.

Price complete $5.00

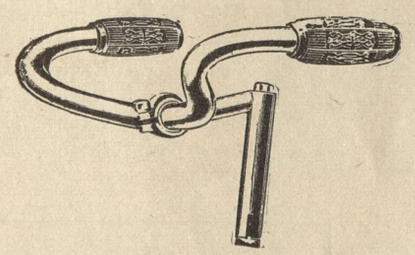




PARTS TO FIT THE FOLLOWING BICYCLES

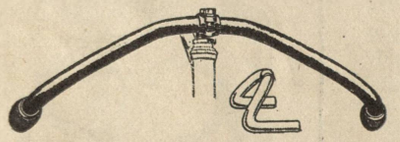
	Sprocket	Crank	Cup	Cone	Check Nut	Retainer with Balls
Harley Davidson		$2.75	$0.50	$0.50	$0.20	$0.30
Pope		3.50	.50	.50	.20	.30
Emblem	$2.25	2.75	.50	.50	.20	.30
Davis	2.25	2.75	.50	.50	.20	.30
Yale 1 pc.	2.50	3.00	.50	.50	.20	.30
Snyder or Harris	2.25	2.75	.50	.50	.20	.30
Pierce 1 pc.		2.75	.60	.60	.20	.30
Snell 1 pc.		2.75	.50	.50	.20	.30
Great Western Fauber		2.50	.50	.40	.20	.30
Schwinn-Excelsior		2.75	.50	.50	.20	.30

Handle Bars

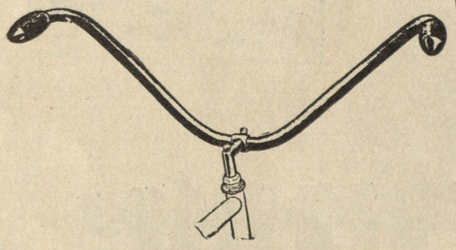


No. 4. Drop, 3½-inch; width 20 and 22. Price, each.....$1.25

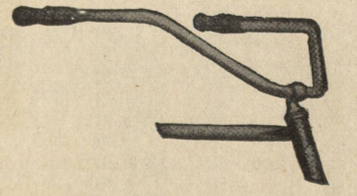
Juvenile Bar
Width 16 inches.....Each $1.00



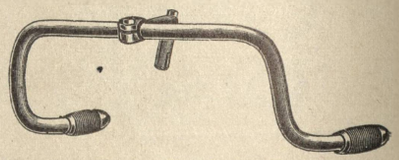
No. 6. Drop, 6 inches; width 22 inches. Price each.....$1.50



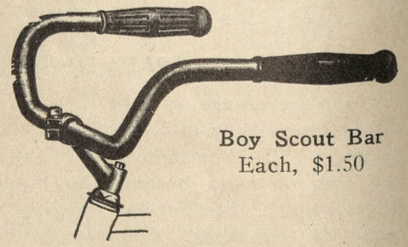
No. 6. Drop, 8-inch; width 22. Price, each $1.50



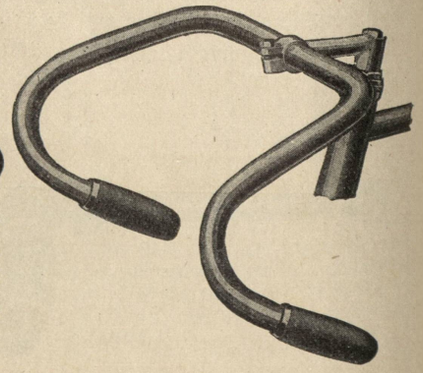
Auto Bike Bar
Width, 22 inches. Each.....$1.50



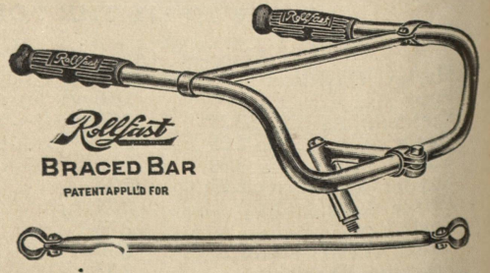
No. 12. **Daily Service.** Drop, 6 inches; no forward bend; regular width, 20 and 22 inches. Each $1.50



Boy Scout Bar
Each, $1.50

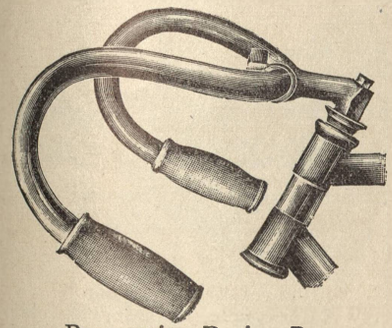


Belgian Racing Bar
Each, $2.50

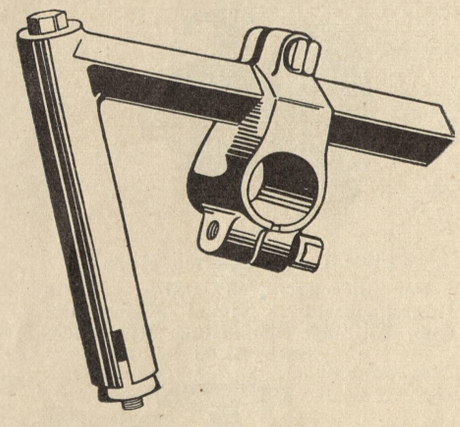


Price, complete, less grips.....$3.25

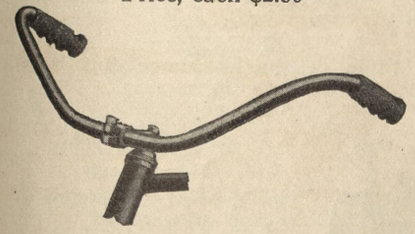
HANDLE BARS



Progressive Racing Bar
Price, each $2.50

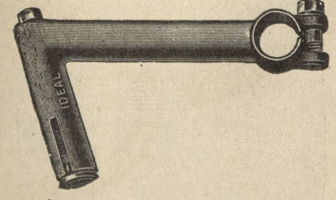


Sliding Extension
Chicago, each $2.00
Imported English, each 3.00

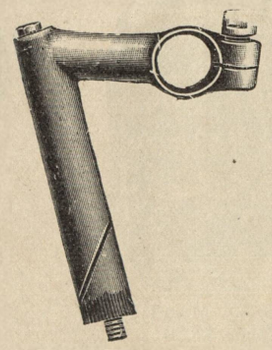


Kelly Bar No. 6226
Triple nickel plated on copper
22 inch. Each.....$1.50

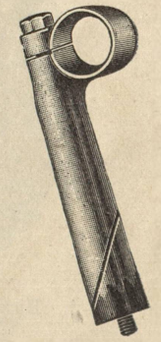
Kelly Bar No. 4223½
22 inch. Each.....$1.50



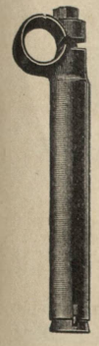
Brace Bar Extension
5 1-2 in. forward. 7-8 only. Each $1.75



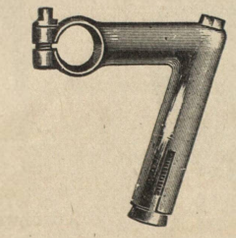
Kelly Extension
7-8 only. Price, ea., $1.00



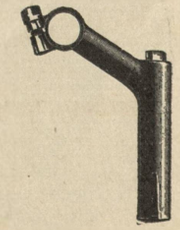
Kelly Stem
7-8 only
Price, each, $1.00



Expander Stem
4 1-2 in. x 3-4, 13-16 and 7-8.
Each, 75c

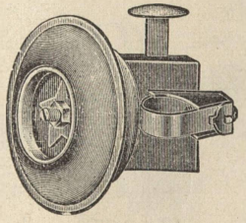


Forward Extension
3-4, 13-16, 7-8
Each, $1.00

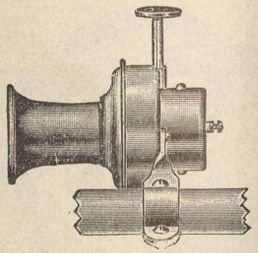


Gooseneck "BB" Extension
Each, $1.00

Horns

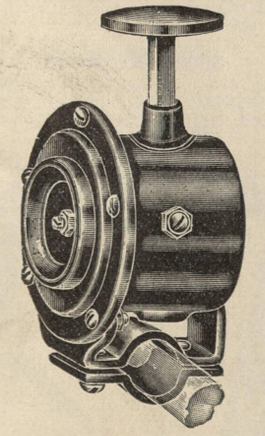


No. 403
Little Long Distance Horn
For Bicycles. Adjustable. Parts Interchangeable. Nickel Front and Cup. All other parts Black Enameled.
Each, $1.00

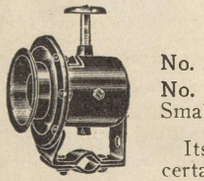


No. 401
Long Distance Horn
For Motorcycle or Bicycle. Substantially Made. Easily Operated.
Black Enameled, each, $2.25

No. 404
M. C. Horn
Same design as above but larger and of heavier construction.
Price, each, $3.00

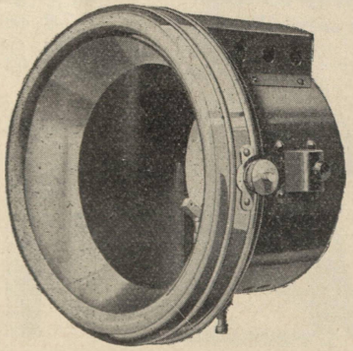


E-A Bicycle Hand Horn
Each, $1.50



Rollfast Bicycle Hand Horn
No. 1, price, complete.$1.25
No. 2, with Bell..... 1.50
Small, Light and Compact

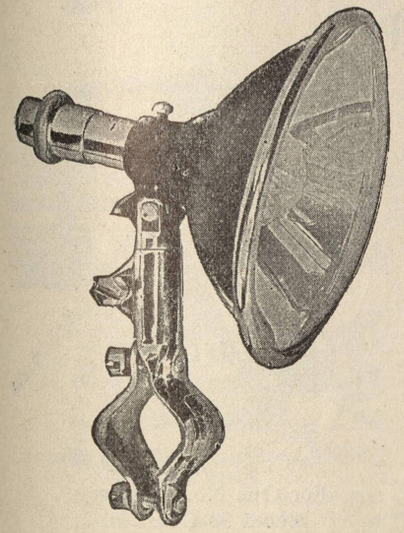
Its tone is loud and certain.



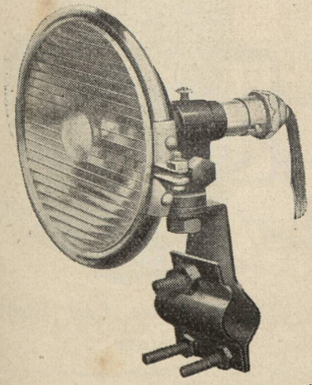
M. C. Gas Lamp
Size of lamp is 8 inches front and 6½ inches between props.
Price, $5.00

S. & M. Electric M. C. Headlight
No. 16
Specifications
Diameter of Reflector, 7½ in
Mazda C Bulb, 6-8 V.
Light Projection, 3600 ft.
Distance between Props., 6¼ in.
Equipped with dimmer and Warner lens. Price, $15.00

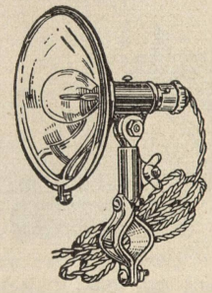
Motorcycle Spotlights



Kay Bee "Little King" Motorcycle Spot Light
Equipped with 4½" reflector. The ideal light for twin installation. One on each handle bar lends grace and balance to your motor.
Holder of the Transcontinental, Three Flag, Twenty-four Hour, Thousand Mile and practically every road and long distance record in the country. Used by racing and amateur riders everywhere because of its sturdy construction and wonderful brilliance.
Price, Black and Nickel.....$4.00



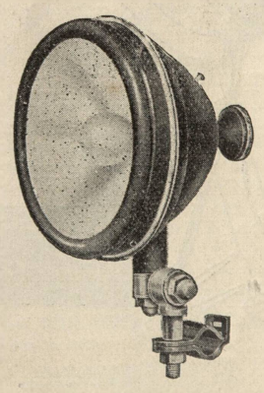
Brownie No. 201 M. C. Spotlight
Equipped with "B" lens. Price....$3.25



Delta Motorcycle Spotlights

Reflector reinforced and double seam locked to bushing—absolutely rigid and unbreakable.

With Cable and Switch
No. 35, List Price $3.50



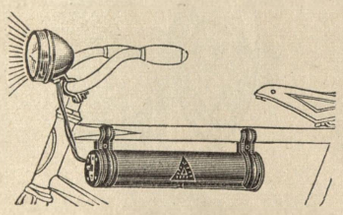
S. & M. No. 10 Motorcycle Spot Light

An ideal light for the handle bars. It has that air of distinction attained only by an article of the highest perfection.

No. 10 is equipped with steel stud eye bolt and new type patent swivel bracket (No. 208) which is made to clamp on to the handle bar (as illustrated above). The switch is placed above knob so as to be within easy reach.

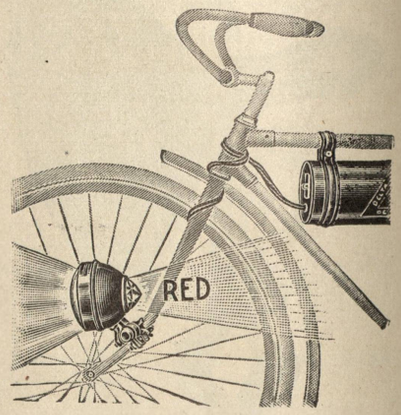
Specifications—No. 10; diameter of reflector, 5¾ in.; Mazda C Bulb, 6-8 V; light projection, 2000 ft. **Price....$9.50**

Lamps



Model 28A Two Cell Long Battery Case

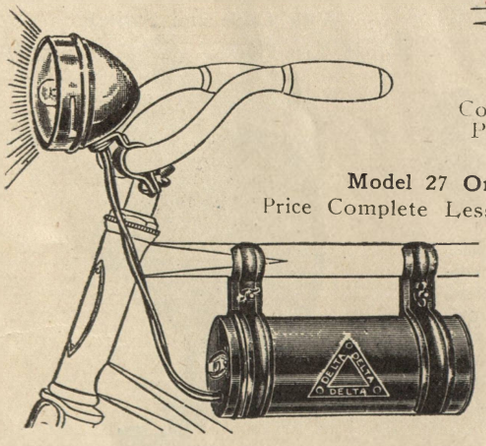
Complete Less Batteries $2.50



For One No. 6 Battery

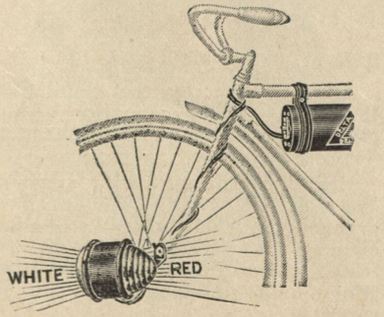
Model 38 One Cell

Combination Head and Tail Lights
Price Complete Less Battery $2.75



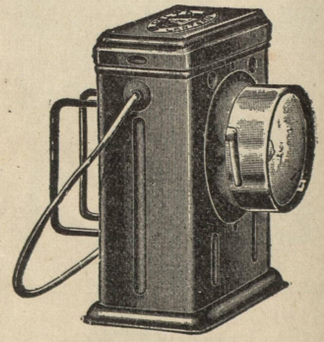
Model 27 One Cell

Price Complete Less Battery $2.25



No. 80 Delta Bicycle Lamp

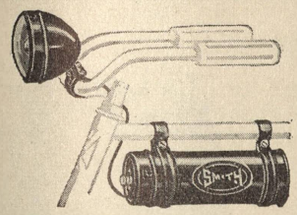
Operates on one No. 6 dry cell
Complete, Less Battery, $2.25



No. 10 Delta Two Cell Electric Lantern

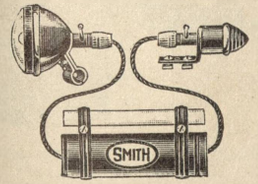
Throws strong light over one hundred feet. Carries 2 No. 6 dry cells.
Complete, less batteries, each $2.75

Lamps



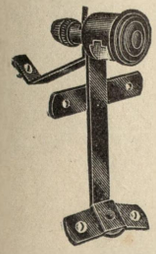
Smith Electric Bicycle Lamp No. 72

Black enamel finish. Complete with 1 cell battery container. Less battery.
Each $2.25



Smith Electric Lighting Outfit No. 3045

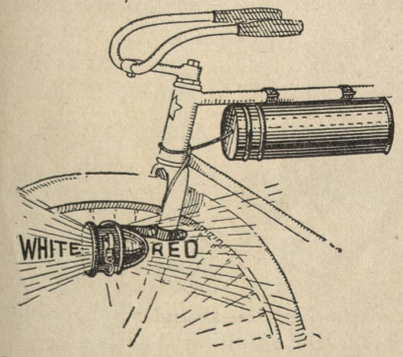
A combination outfit consisting of No. 72 headlight and No. 45 tail light. Complete with two cell battery container, less batteries. Each.....$4.00



Ace Electric M C Tail Lamp

Approved by Mass. Highway Commission.

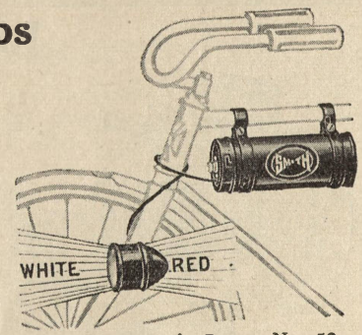
Price $2.25



No. 50 Starr Electric Bicycle Lamp

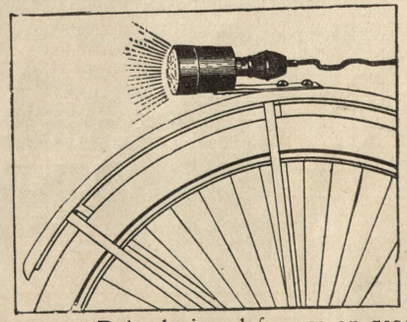
Black enameled finish. Combination front and rear lights. Clamps to fork side.

Price $2.00



Smith Electric Lamp No. 52

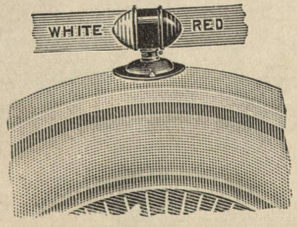
Adjustable to any position on fork side. Combination front and rear light. Runs on 1 dry cell. Complete with battery container less battery.
Each $2.25



No. 45B is designed for use on rear mud guard or axle of bicycle, complying with the law for red rear signal. Equipped with 3 ft. double braided cable, 1½ v D. C. bulb, and metal container for one dry cell.
Price $2.25, less batteries.

No. 45A Bicycle Tail Lamp

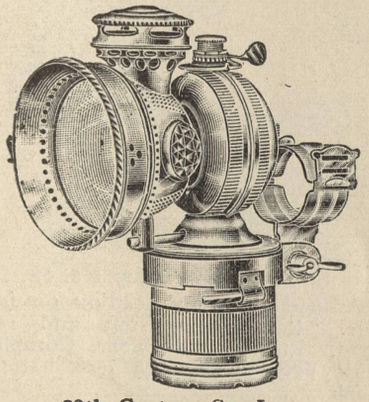
Less Container. Each $1.75



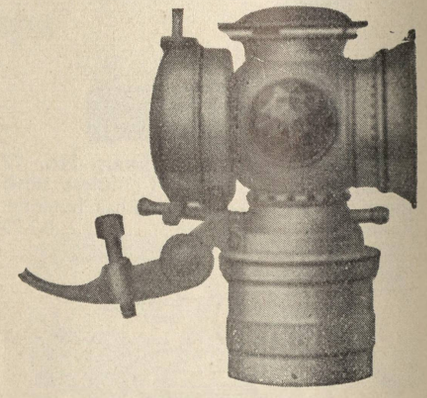
No. 65 Smith Parking or Side Car Lamp

For use on automobiles or side cars. Equipped with 6-8 volt bulb.
Each $1.75
81B Smith Side Car Lamp 1.65
81N Smith Side Car Lamp 1.75
Same design as No. 65, but smaller.

LAMPS

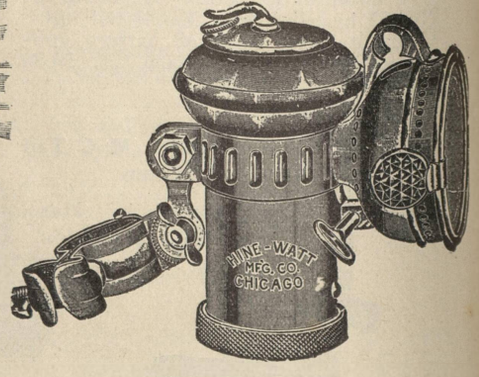


20th Century Gas Lamp
Each $4.50

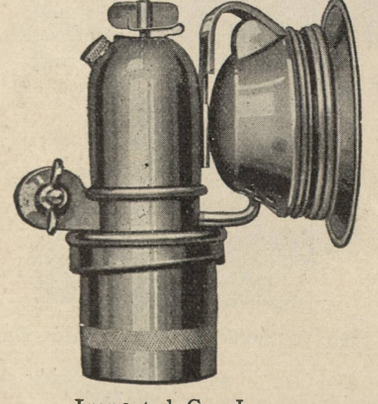


Solar Model S. Gas Lamp and Shipp Bracket
Price $4.50

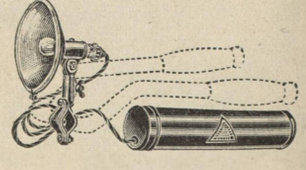
Searchlight Gas Bicycle Lamp
Price $4.50



Columbia Gas
Each $4.50



Imported Gas Lamp
Especially designed and perfected to meet the demand for a popular priced quality lamp.
Price $2.25

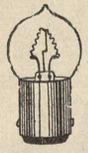


Delta No. 37—Brand new innovation in bicycle spotlight lighting—a truly dignified bicycle spotlight the performance of which is marvelous—compare!

Price $3.75

Bicycle Lamp Bulbs

No.	Voltage		
33	1-5 Screw Base, for Delta Nos. 80 and 27 lamps. Each.....		$0.12
34	2-9 Screw Base, for Delta No. 10 lamp. Each.....		.12
2868	1-5 D C, for Smith Nos. 35, 45, 3045 and 30. Each.....		.25



Flashlight Bulbs

No.	Style	Voltage	List
1	Clear	2-5	.12
2	Clear	3-8	.12
3	Clear	2-3	.12
11	Clear	2-7	.12
16	Clear	2-5	.12
17	Clear	3-8	.12
18	Clear	4	.12
19	Clear	1-5	.12
1162		2-5	.15
1163		3-8	.15

Headlight Bulbs

No.	Voltage	C P	Contact	List
1129	6-8	21	S C	.35
1130	6-8	21	D C	.35
1141	12-16	21	S C	.40
1142	12-16	21	D C	.40
1160	9	21	D C	.35
1158*	6-8		D C	.45

*Double Filament.

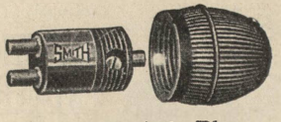
Tail-light Bulbs

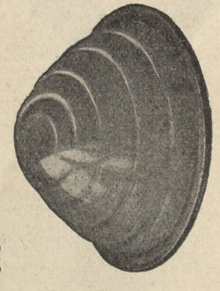
No.	Voltage	C P	Contact	List
61	3-4	2	S C	.20
62	3-4	2	D C	.20
63	6-8	2	S C	.20
64	6-8	2	D C	.20
67	12-16	2	S C	.25
68	12-16	2	D C	.25
71	18-24	2	S C	.30
72	18-24	2	D C	.30

Side Light Bulbs

No.	Voltage	C P	Contact	List
81	6-8	4	S C	.25
82	6-8	4	D C	.25
89	12-16	4	S C	.30
90	12-16	4	D C	.30

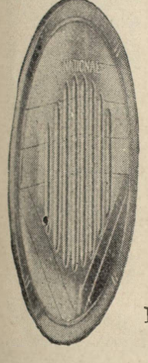
Red Semaphore Tail Lamp Lenses
Sizes 1¾ to 2½
Each, $0.25





Rubber Switch Plugs

No. 1. Single Contact, each.....$0.25
No. 2. Double Contact, each..... .25

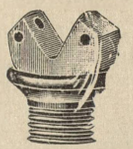


M. C. Lens
Sizes 6⅛, 6½, 6⅝
For M C Headlight
Each, $1.00

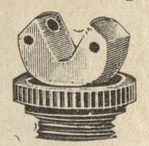
Bee Hive Lenses
Red for No. 35 Smith and No. 80 Delta
Also for No. 75 Parking lamp
Each. $0.50
White for No. 35 and Parking lamps
Each, $0.50

Lamp Burners—Lamp Lenses

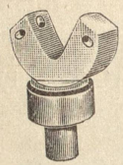
Plain Tip
Each, 10c



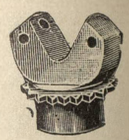
Searchlight
Each, 20c



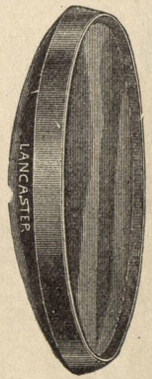
Solar
Each, 25c



Columbia
Each, 25c



20th Century
Each, 20c

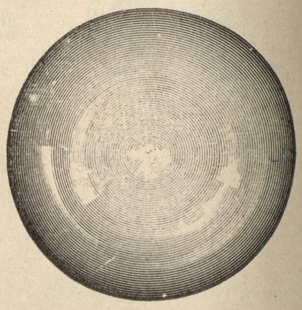


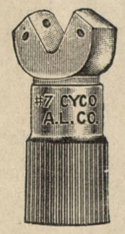
Mangin Mirror

Lamp Lenses	
4 inch	$1.25
5 inch	1.50
5½ inch	2.00
6 inch	2.50
6½ inch	2.50

Lamp Lenses
To Fit

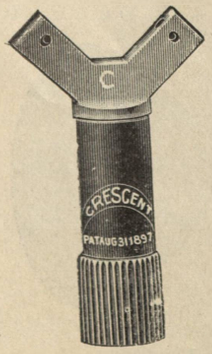
Solar gas lamps.....30c
20th Century gas lamp.....20c
20th Century oil lamp.....20c
Searchlight gas lamp.....30c
Columbia gas lamp.....30c
Old Sol No. 10 gas lamp, 25c
Liberty gas lamp.....25c





No. 3 Cyco
Fits Old Sol Bicycle and tail lamps.
Price, 25c

GIANT
Each, 50c

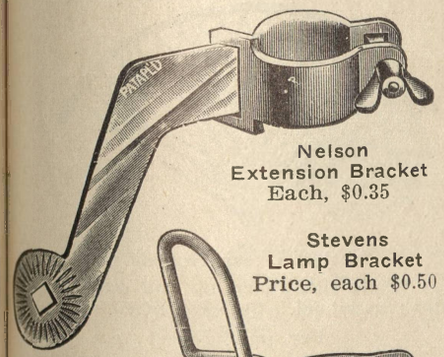


Crescent "Victory"
5-8 feet consumption. Price, each, 25c.

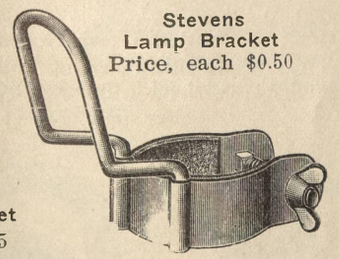
Standard
Each, 35c

Smith's No. 102 Jewel Reflectors
1 doz. on display card. Each, 40c

Lamp Brackets—License Brackets—Leggins

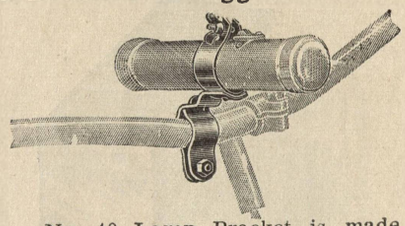


Nelson Extension Bracket
Each, $0.35

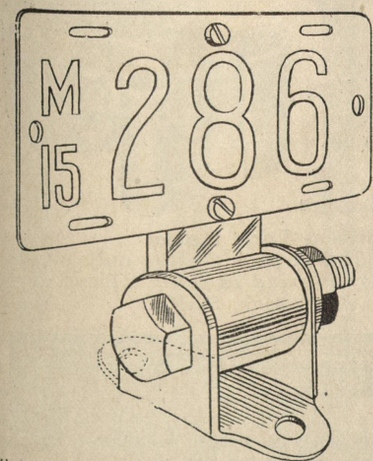


Stevens Lamp Bracket
Price, each $0.50

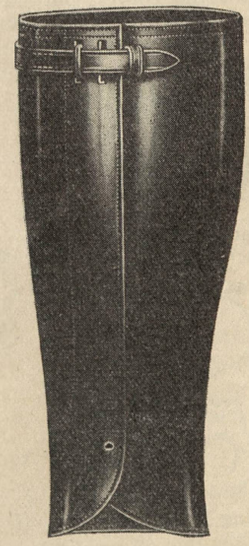
Head Bracket
Each, $0.15



No. 40 Lamp Bracket is made for using a flash light on a bicycle. It is adjustable to all tubular flash lights. Each.....$0.40



Victor Adjustable Motorcycle Number Plate Bracket
Price, per pair, $0.75



No. U37
Special Mahogany Unlined Cordovan Spring Puttees

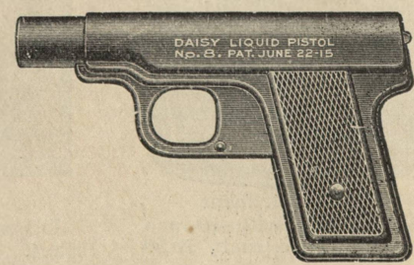
	Per pair
Sizes 14 to 17	$6.00
No. 1 Puttee	4.00

Daisy Liquid Pistol, No. 8 and No. 9

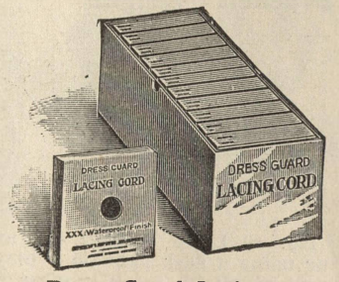
Designed after the latest automatic pistol and would readily be taken for one. Made from steel, blued finish. Simple to load and discharge, no rubber bulb to get out of order.

Price, No. 8, each.....$0.25

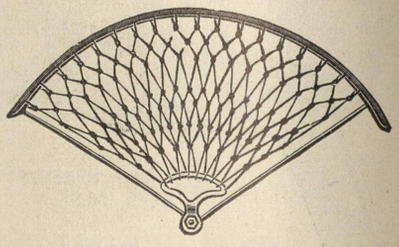
No. 9. Same design, 5-shot repeater, each ..... .50



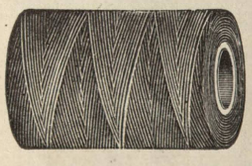
Lacing Cord—Locks



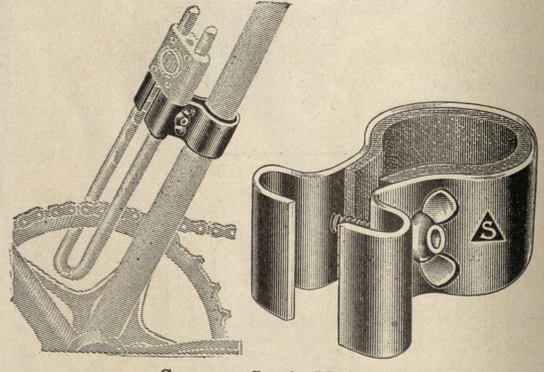
Dress Guard Lacing
Best quality. Waterproof finish. Furnished in all colors, put up in 18-yard boxes. Per dozen, $2.50



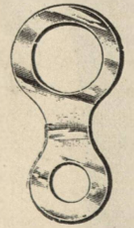
Netted Dress Guards
A whole side laced up and ready to attach to wheel. Quickly fitted.
Per pair, 75c



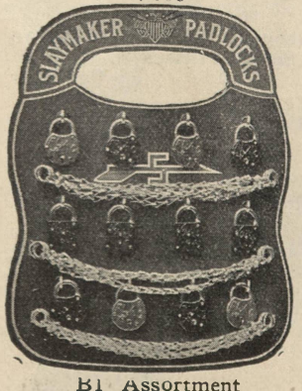
144 yards, Spools
Each, $1.50



Stevens Lock Holder
Stevens Lock Holder provides the only satisfactory way of applying and carrying a bicycle lock.
Price, each, $0.25



Lacing Loops
Pair, 10c

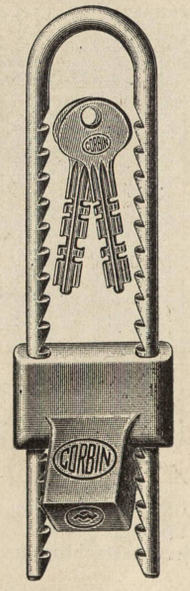


B1 Assortment
Each lock with 10-inch chain. Price, each, $0.50

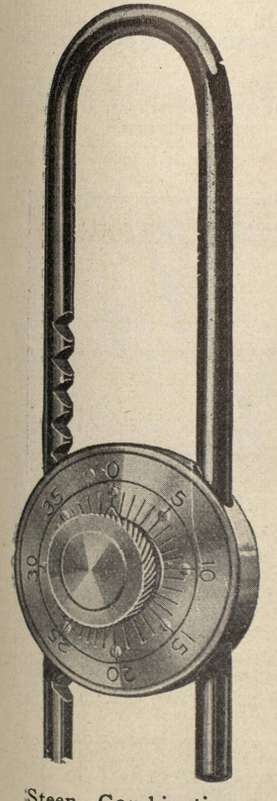
No. 78-A
Displays one dozen locks in assorted finishes. Each, $0.65

Locks

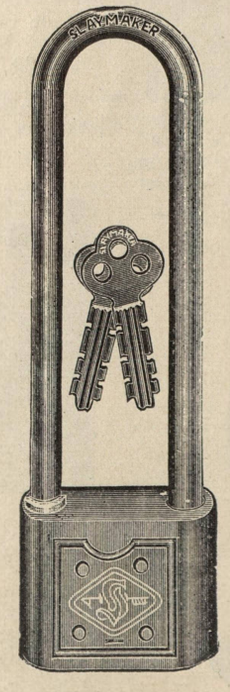
Miller's Bicycle Locks
No. 2029. Wrought steel, nickel plated, with two keys without chain.
Each, $0.40.



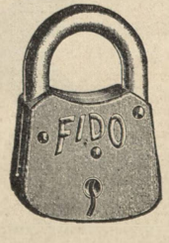
Corbin Adjustable Shackle Lock
With offset keyhole
Price, each, $1.25



Steen Combination Bicycle Lock B7½
Price, each, $1.25



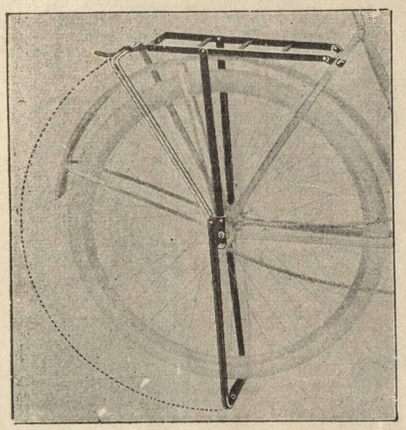
No. 7-089
6½ inch shackle
Each, $0.75
5-089
5 inch shackle
Each, $0.75



No. 2030J
Wrought steel, with chain and two keys. Japanned finish.
Each, $0.40

Bicycle Lock Chain
12 inches long. Each, $0.20

Victor Combination Bicycle Carrier and Stand



Luggage carrier and bicycle stand combined as a single unit. The spring clip being fixed on luggage carrier saves attaching to mud guard.

A very neat and substantial outfit.

Price, $1.50

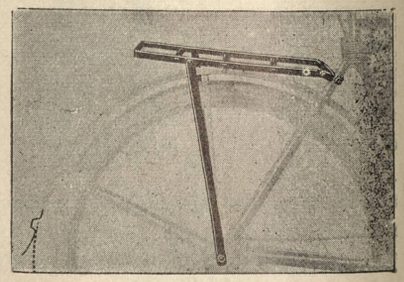
Luggage Straps

1 x 30-inch, each.....$0.15

No. 88. Head Clamp

Adjustable to 1¼ inch and 1⅜ inch bicycle heads. Permits free and easy steerage of wheel. Each, $0.25.

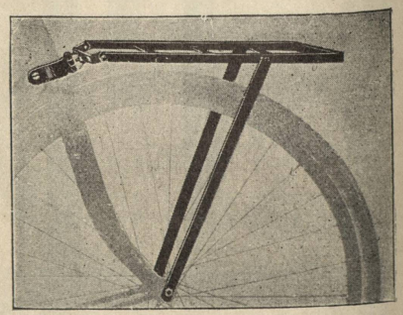
Victor Luggage Carrier



Rear

Made of cold rolled steel enameled black. Very strong and durable. Price, $0.75.

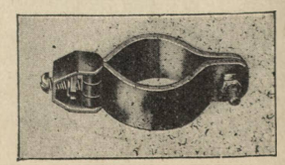
Can also be attached to front by means of our swivel clamp.



No. 67F. Front

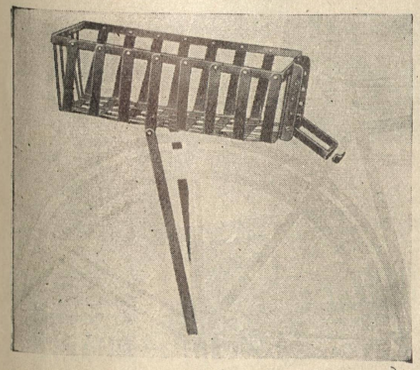
By the use of our special No. 88 head clamp, the luggage carrier can be readily attached to the front of any bicycle and is the only carrier on the market that can be thus used.

Price of Carrier and Front Clamp, 85c

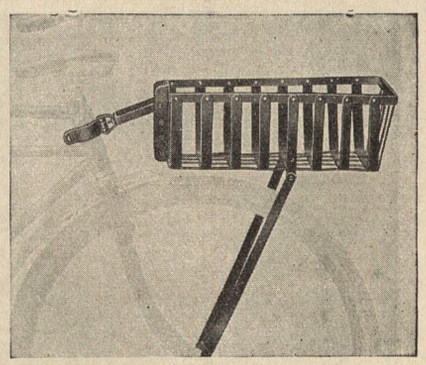


No. 88

Delivery Baskets



No. 70 Victor—Rear

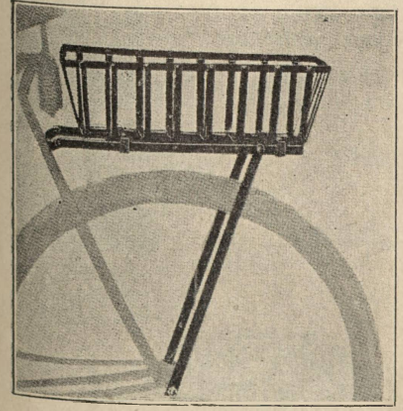


No. 70 Victor—Front

The Most Convenient and Up-to-date Carrier for Butchers, Grocers, and all around Delivery.

Made of cramped strap steel, strongly reinforced.
Can be attached to any size frame.
Sizes 17 inches long, 12 inches wide, 6 inches deep.

Price, Front or Rear $2.75



Androck Bicycle Basket

Made very strong to withstand hard usage. Fastened to the wheel with leather straps, cannot mar nickel or enamel.

Price

No. 1461—15 x 10 x 4¼ inches $1.25
No. 1462—18 x 13 x 6 inches 1.50

No. 69. Basket

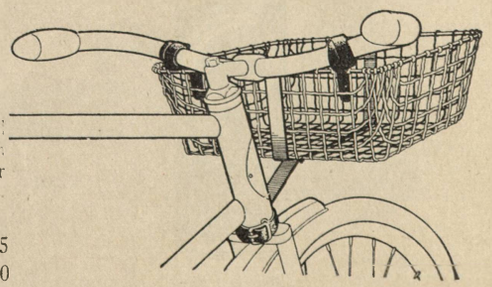
This delivery basket can be applied to any luggage carrier on front or rear of bicycle.

Made of strap steel and enameled black.

Clamps are furnished to fasten it to any luggage carrier.

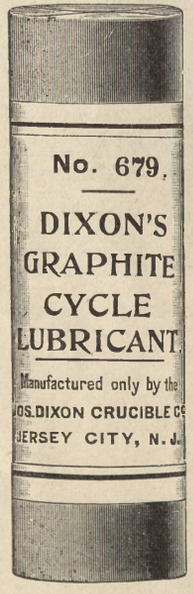
Size 16 inches long, 10 inches wide, 5¼ inches deep.

Price, Basket only, $1.75



LUBRICANTS

Packed 3 doz. in box.
Each, 10c



Packed 1 doz. in box
Each, 15c

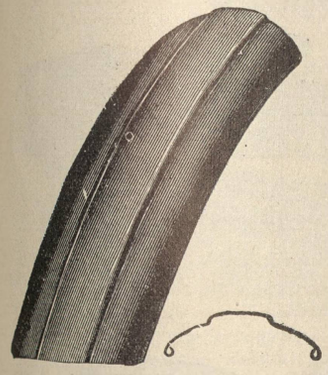
"Chainolene" is the correct lubricant for "roller type" chains, its distinctive adhesive qualities keep the rollers revolving continually in a "Film of Oil," thus minimizing frictional resistance.

Bicycle size, per tube.....15c
Motorcycle size, per tube.....25c

Packed 12 on display card.
Each, 15c

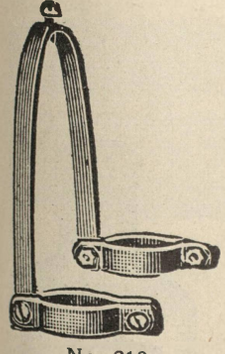
Each, 5c

Dutch Brand Ball Bearing Compound
Per can, 15c



"R. E. C."

Mud Guard Clip
Single or Double
Each, $0.10



No. 210
Front Fork Brace
Each.....$0.25

Mud Guards

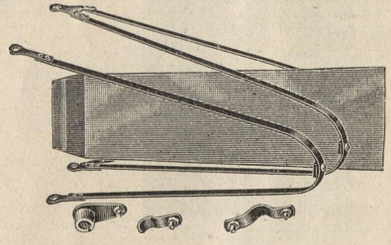
Bicycle Steel Guards

No 1. Black Enamel, rolled edge and corrugated centre. Complete with attachments. Per pair, $1.50.

No. 1. Black and Red, Black and Blue, Black and Green. Per pair, $1.75, complete.

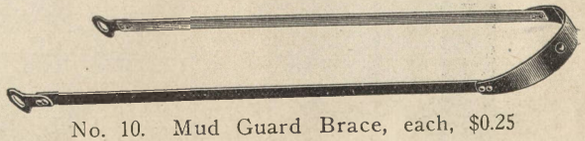
Ladies' Bicycle Steel Mud Guards

Enameled Black with eyelets, each.....$0.75

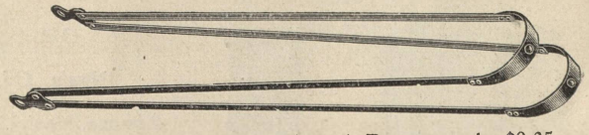


No. 15. Mud Guard Set

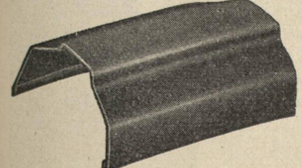
In sets consisting of single and double braces, one standard fork lug, one regular mud guard clip and rear brace clip, with bolts and nuts.
Price, $0.75



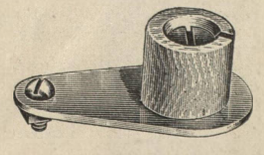
No. 10. Mud Guard Brace, each, $0.25



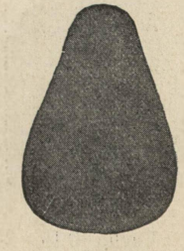
No. 11. Double Mud Guard Brace, each, $0.35



Drop Side Mocycle Mud Guard
Complete with attachments.
Per pair, $2.00

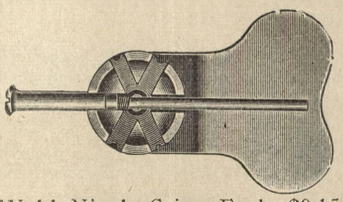


Mud Guard Fork Lug
Each.....$0.15

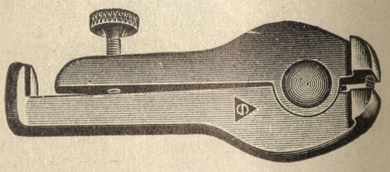


Mud Splasher
Rubber. Each, $0.20

Nipple Grips—Oil



Wald Nipple Grip. Each, $0.15

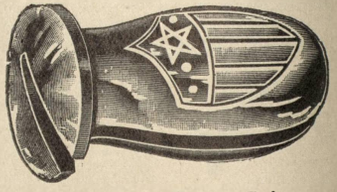


Perfect Nipple Grip

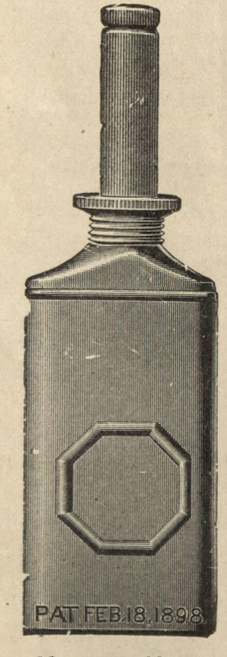
No. 1.	Small, each	$0.75
No. 2.	Large, each	1.00
No. 3.	Motorcycle, each	1.25

Patented. Reduced Cut.

Victor Nipple Grip
Each, $0.20



Neverslip Nipple Grip
Each, $0.20



No. 968. Norea
Each, $0.15
Imported Oilers
Each, $0.10

OIL

Nye's Oil

2-ounce, each $0.10

Three in One Oil

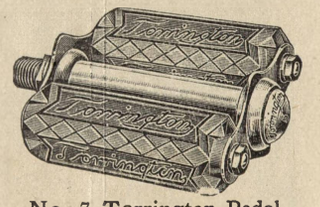
1-ounce, each	$0.15
3-ounce, each	.30
3-ounce can	.30
8-ounce, each	.60

Bicycle and Motorcycle Pedals

No. 6 TORRINGTON PEDAL
PATENT APPLIED FOR.
Per pair, $1.75

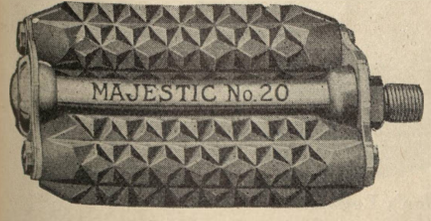
No. 8 Torrington Pedal
Per pair, $1.50

Standard No. 3 M C Pedal
Per pair, $2.75

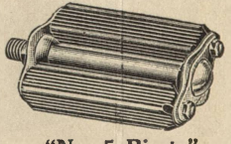


No. 7 Torrington Pedal
Per pair, $1.75

No. 9 Torrington, Ladies'
Per pair, $1.50

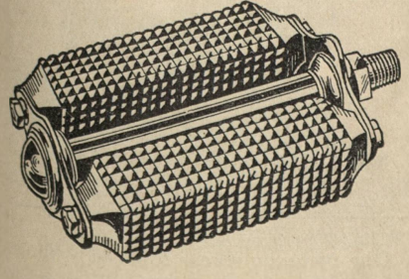


No. 20, Gent's
Per pair, $1.50

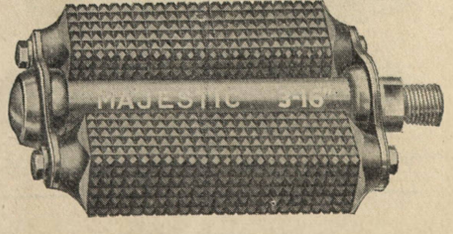


"No. 5 Pirate"

No. 5 Pirate, Men's Pedals
Per pair, $1.00

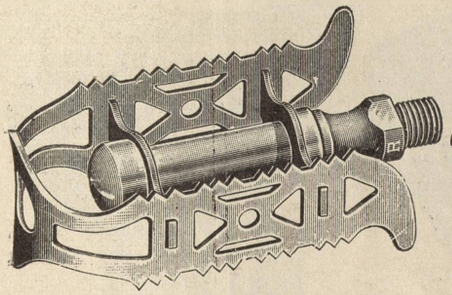


Wesco Pedals
Per pair, $1.75



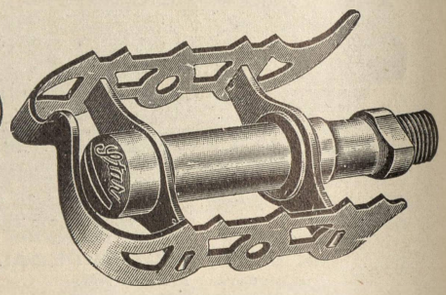
Majestic No. 316
Per pair, $1.75

Pedals — Patches



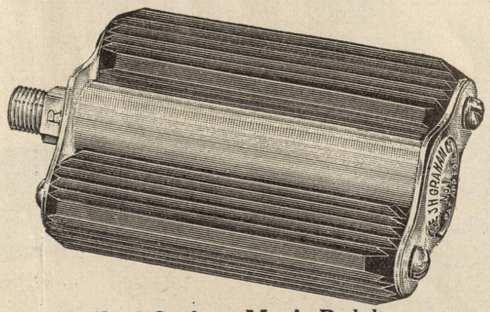
No. 11 Pirate, Gents'
Per pair $1.00

No. 12 Pirate, Juvenile
Per pair $1.00

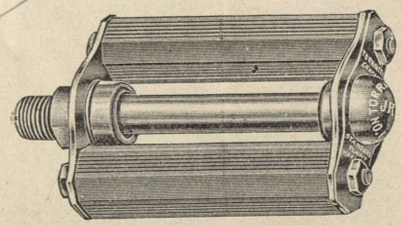


NO. 4 STAR RACING PEDAL

No. 4 Star, Racing
Per pair $1.75

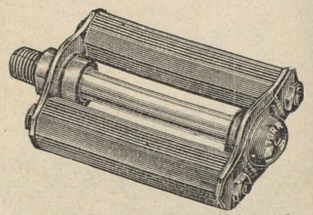


No. 1 Graham Men's Pedals.
Patent Applied For.
Per pair $1.25



No. 1 TORRINGTON JUNIOR PEDAL

Per pair $1.25



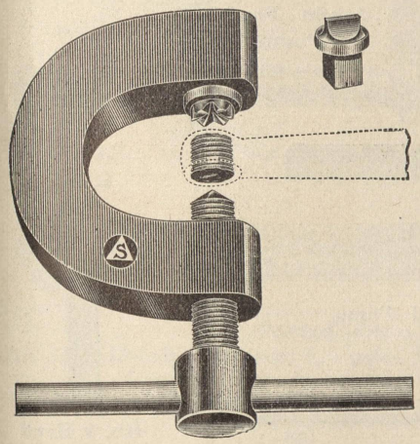
TORRINGTON JUNIOR PEDAL

No. 2 Torrington Pedal, Juvenile
Per pair $1.25

Red Devil Patch
"Sticks Like the Devil"
For repairing rips and tears in tubes.

One piece in screw top can with cement and roughener; enough to make several repairs. Per can.....$0.30

Pedal Parts and Tools



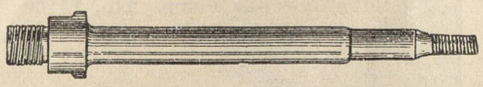
Pedal Rubbers

Will fit all makes of motorcycle and bicycle rubber pedals.

Gray, per set of four, 40c
Red, per set of four, 50c

Stevens Pedal Pin Remover

for removing broken pedal pins from cranks. Price, $3.00

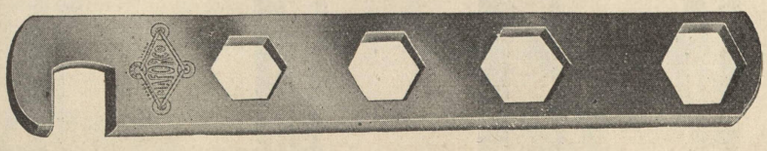


Pedal Axles

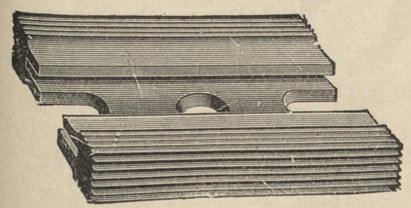
Made to fit Pirate, Majestic, Peerless, Standard and Torrington Pedals.

Each, 40c

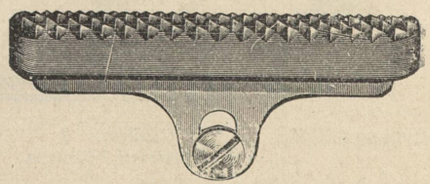
Specify make when ordering.



Pedal Wrench. Each, 25c

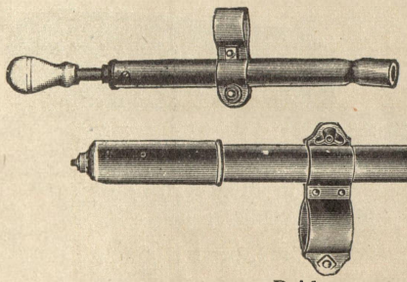


Snap On Pedal Rubbers
Per set, 40c



No. 2 Curtis Pedal Rubbers
8 pieces to set, per set, 50c

Pumps

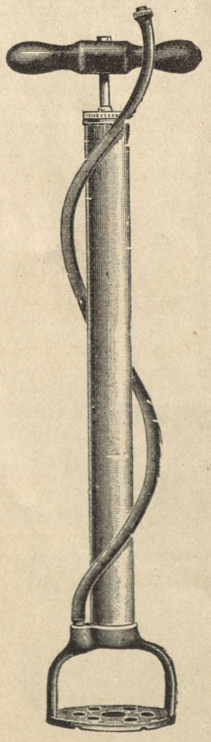


Austin Frame Pump
Each, $0.75

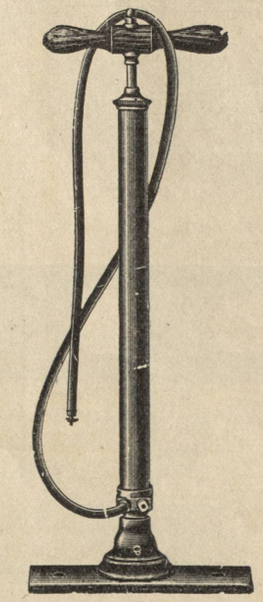
Bridgeport
No. 12. Telescope Hand Pump
Each $0.75

No. 9 Hand Pump
Each, $0.40

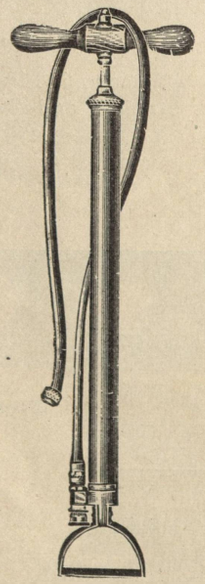
Austin Motorcycle Pump. No. M100
Each, $1.50



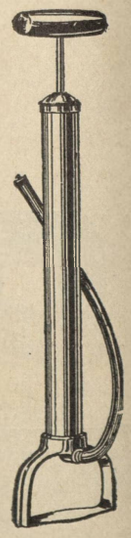
Bridgeport No. 8
1 1-2 x 20 inches.
Each, $2.50



Codman & Shurtleff Pumps
(Bicycle Shop)
Each, $7.50

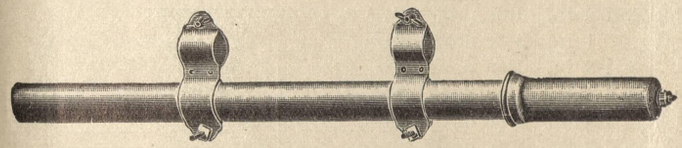


No. 8 Codman & Shurtleff Auto Pump
Each, $4.75

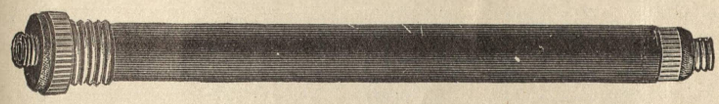


Bridgeport No. 2
1 1-4 x 12 inches.
Each, $0.85
Bridgeport No. 17
1 1-4 x 12 inches.
Each, $0.75

Pumps—Pump Connections

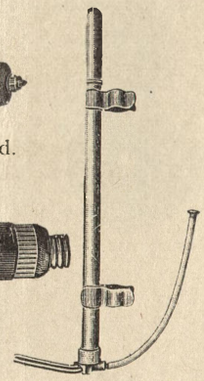


No. 931. M C Frame Pump. Size 1 x 15 inches closed.
Each, $1.50

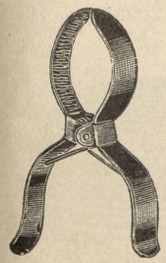


Pump Tubes

No. 122. 12-inch, with two K nipples, for foot pumps..$0.20
No. 40. 4-inch, frame pump rubbers ..... .15
No. 102. 12-inch M C frame pump rubbers ..... .25



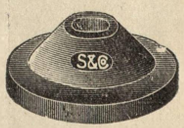
No. 40 Special Telescoping Pump
Has Collapsible Foot Rest. Length 15¾ inches closed.
Each, $2.00



Rex Pump Clip
For motorcycle frame pumps.
Pair, $0.25

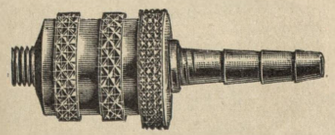
Acorn No. 1
Each, $0.20

Thumlock Pump Connection
Each, $0.40
Extra Rubbers
Each, $0.05

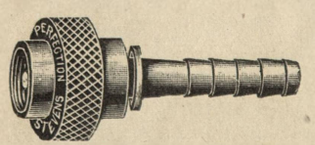


Acorn Rubbers
Each, $0.05

Austin Pump Rubber
Each, $0.10



The Evertight
Steel point, each, $0.15



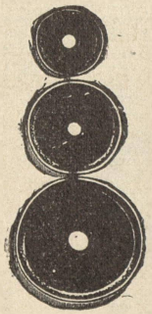
Perfection
Each, $0.20

"ESCO" HOSE BAND

Used on Bicycle and Auto Pumps

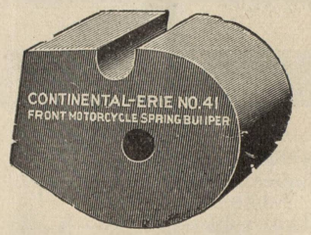
No. 1 when wide open is 3-8-inch inside diameter.....each, 10c
No. 2 is 7-16-inch inside diameter .....each, 10c
No. 3 is 1-2 inch inside diameter.....each, 10c

Pump Leathers—Pump Tubing

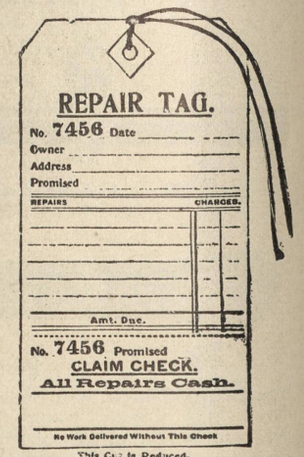


Pump Washers

7-8 in.	Per doz..	$0.24
1 in.	Per doz..	.24
1 1-8 in.	Per doz..	.36
1 1-4 in.	Per doz..	.36
1 1-2 in.	Per doz..	.48
2 in.	Per doz..	.72



No. 31. Front Spring Bumper, each.....$0.35
No. 51. Rear Spring Bumper, each..... .30

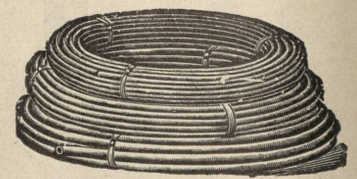


Repair Tags

Price, per 1,000.....$4.50
Price, per 100..... .50

Motorcycle Starter Pedal Rubbers

Size 7/8x7/8 2¾", 7-16" hole, each.....$0.10



Pump Tubing

Size, 3-16, 3 ply, per foot.....$0.10
Size, 3-16, 1-4, 5 ply, extra heavy, per foot..... .16

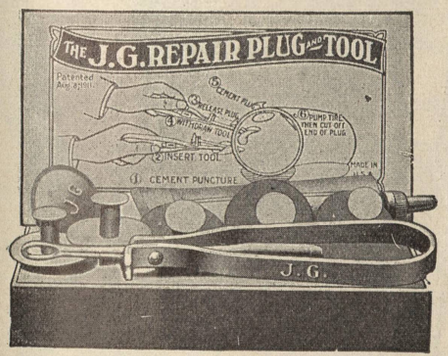
No. 504 Pump Leather Assortment

Packed 12 sets on display card, will fit all standard pumps. Per set $0.10

No. 19 Cup Leather Assortment

Contains 78 washers in the following sizes: 3-4, 7-8, 1, 1 1-8, 1 1-4 and 1 1-2 inch. Per box.....$1.00

Plugs—Plugging Tools



J. G. Repair Plug and Tool

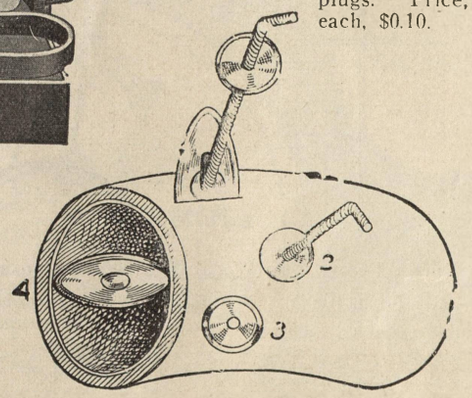
No burning or cutting necessary. Outfit put up in boxes, with 100 plugs for the trade, or with one dozen plugs for the rider.

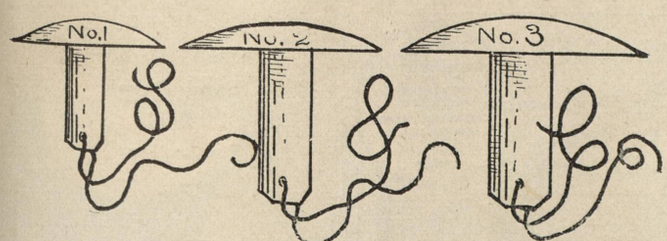
Plugs, per 100.....$3.50
Tools, each ..... .35
12 plugs and tool..... .60

Sampson Brass Plugs

For making a permanent repair quickly in cheap tires or filled tires.

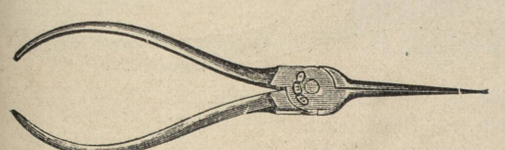
Large, medium and small plugs. Price, each, $0.10.





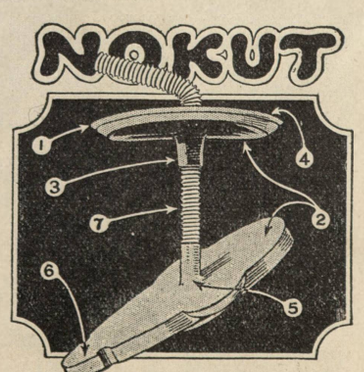
Rubber Plugs

No. 1. Each..$0.03
No. 2. Each.. .05
No. 3. Each.. .07



Forged Plug Pliers

No. 88, curved nose.
Price, each.....$1.00
No. 77, straight nose.
Price, each.....$1.00
No. 2 Plug Pliers
Price, each.....$0.10

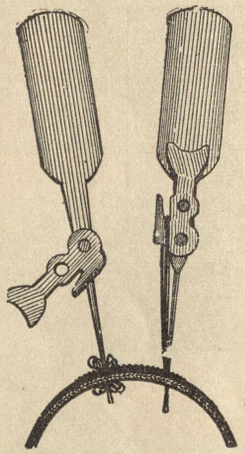


No Kut Rubber Covered Plugs

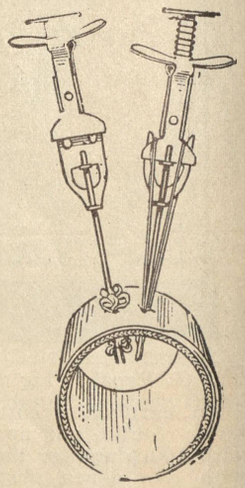
Price, each.....$0.10

Pliers—Repair Tools

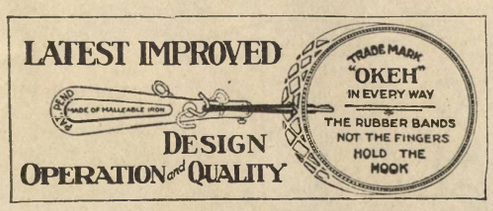
Curtis Repair Tool
Each, 10c



The Wald Repair Tool
The best tool made for repairing tires with rubber bands.
Price, each, 25c

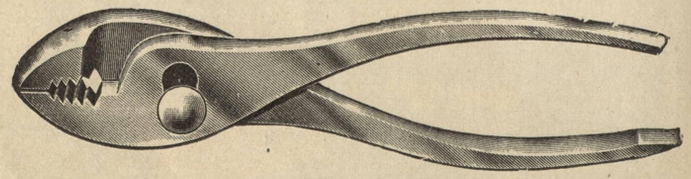


Hudson Band Tool
Inserts the bands automatically.
Each, 25c

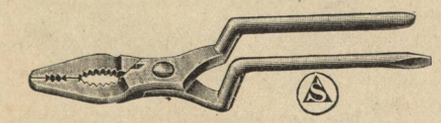


"Okeh" Rubber Band Repair Tool
Each, 25c

No. 5 Combination Pliers
Wire Cutter, Gas Plier, Wrench and Screw Driver combined. Drop forged from tool steel.



No. 5. Nickel plated, each, 50c
No. 5. Black, each 40c



No. 85 Offset Plier
Length over all, 7 1-2 inches, jaws 1-8 inch. Is very handy in reaching cones, lock-nuts, etc., where space is too narrow to use a wrench.
Price, each, $1.00

No. 75 Straight Plier
Price, each, $0.90

Rims

No.	Drilled.	Per Pair
307 Black, 2 gold stripes, 28 x 1 1-2	32, 36	.....$3.00
308 Black and Blue, 2 gold stripes, 28 x 1 1-2	32, 36	..... 3.00
310 Aluminum, 2 stripes, 28 x 1 1-2	32, 36	..... 3.00
202 Black and Red, 2 gold stripes, 28 x 1 1-2	32, 36	..... 3.00
Natural Finish, 28 x 1 1-2	32, 36	..... 2.75
Special Colors extra.		
Kantwarp Aluminum Rims, 28-inch only. Per pair		..... 6.00

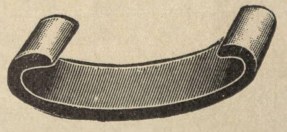
Racing Rims

	Drilled.	Per Pair
Natural Finish, 3-piece, 28 x 1 inch, Track Racing	32, 36, 40	.....$3.50
Natural Finish, 26 inch	32, 36	..... 3.50
Aluminum, 1 piece, 28 x 1 1-8—1 1-4, Road Racing	32, 36	..... 3.50

Enameled Juvenile Rims

No.	Drilled.	Per Pair
202 Black and red, 2 gold stripes, 20, 24 and 26x1 3-8—1 1-2,	28, 32, 36	.....$3.00

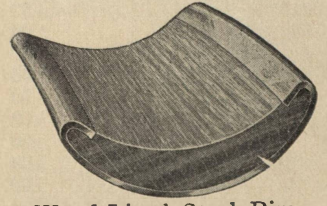
Motorcycle Steel Rims



Size 28x3. Drilled 36 and 40 holes.

Plain. Each $2.00

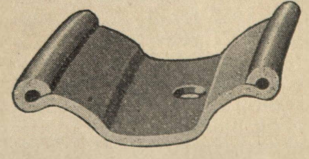
Steel Bicycle Rims



Wood-Lined Steel Rim

The new Williams' Wood-Lined Steel Crescent Cement Rim fills a long felt need. It is light in weight—strong, and on account of the wood lining and the steel casing will not warp, split, crack, bend or buckle. Easy to handle and holds the tire firmly in place.

Aluminum Finish, drilled 36 holes.
Per pair, $3.00
Black and Red, or Black
Per pair, $3.25

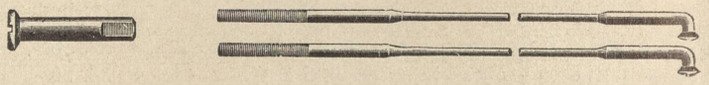


DROP CENTER BEADED EDGE CEMENT RIM

Plain Finished drilled 36 holes.

Per pair, $2.50

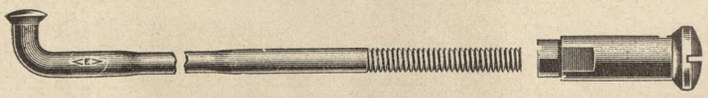
Bicycle Spokes, Nipples, etc.



No.		Per 100
065	Diamond E, racing spokes	$3.00
080	Diamond E 14-16 wire, 12, 12 1-8, for 28-inch wheels	3.00
092	Diamond E 13-15 wire, 12, 12 1-8, for tandem and heavy work	3.00
105	Diamond E extra heavy, 12, 12 1-8, for tandem and motorcycle	3.50
6	Standard spoke, 14-16 wire, 8 1-8, 10 1-8, 11 1-8, 12, 12 1-8	2.00
6	Standard spoke, Rustless, 12, 12⅛	2.00

Velocipede Spokes

Lengths 3 5-8, 4, 5, 6, 6 1-2, 7, 8, 9, 10, 11 1-8, 12 3-4 in. Per doz. $0.36

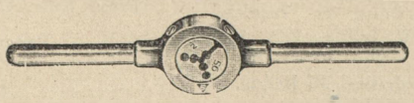


Motorcycle Spoke and Nipple

Motorcycle Spokes

Table showing sizes of spokes used on some of the leading machines.

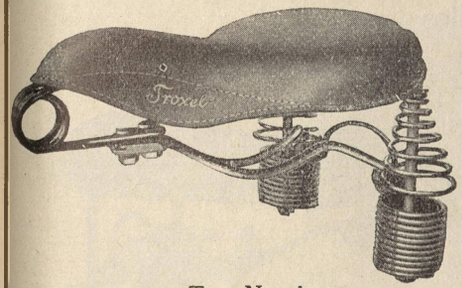
Name	Gauge	Length—Inches	Spokes and Nipples Per 100
Indian 1913	135—110	10 7-8	$5.00
Indian 1914	135—110	10 3-4, 10 7-8	5.00
Indian 1915	135—110	10 3-4, 10 7-8, 11 3-8	5.00
Indian 1916	135—110	10 3-4, 10 7-8, 11 3-8	5.00
Indian 1918-1919-1920	148—120	10 9-16	7.00
Indian 1921	148—120	10 9-16	7.00
Indian 1921	175—148	10 1-2	8.00
Indian 1921	148—120	9 1-2	7.00
Harley-Davidson 1913	135—110	10 5-8	5.00
Harley-Davidson 1914	135—110	10 9-16	5.00
Harley 1918-1919-1920	148—125	10 9-16	7.00
Harley 1921 front	148—125	10 9-16	7.00
Harley 1921 rear	175—148	10 1-2	8.00
Harley Sport 1921	135—110	9 9-16	5.00
Excelsior 1916-1919	135—110	10 9-16	5.00
Excelsior 1921	148—125	9 9-16	7.00
Reading Standard 1919	135—110	10 5-8	5.00
Reading Standard 1921	148—120	10 5-8	7.00
Reading Standard 1921	148—120	10 1-2	7.00
Ace front 1921	148—120	9 1-2	7.00
Ace rear 1921	148—120	9 5-8	7.00
Henderson 1921	135—110	10 9-16	5.00



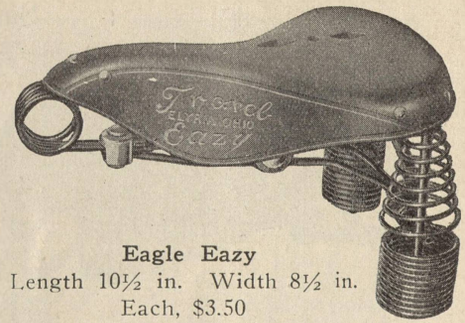
Spoke Stock and Die

For threading Bicycle and Velocipede spokes. Price, each $2.00

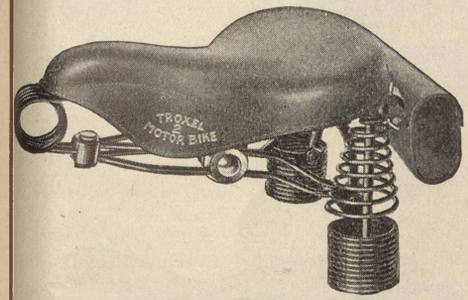
Saddles



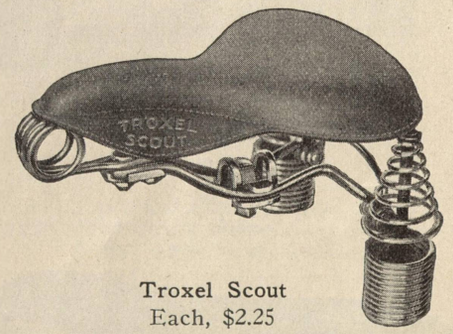
Top Notch
Each, $2.50



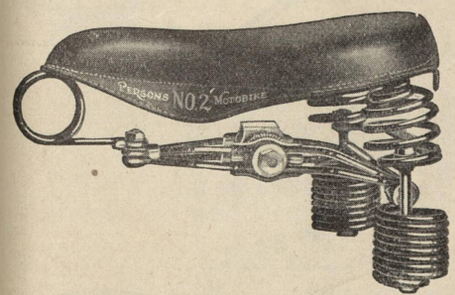
Eagle Eazy
Length 10½ in. Width 8½ in.
Each, $3.50



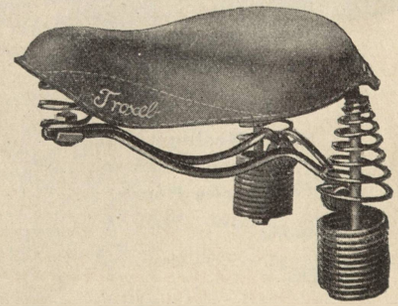
No. 2 Motor Bike
Each, $3.00



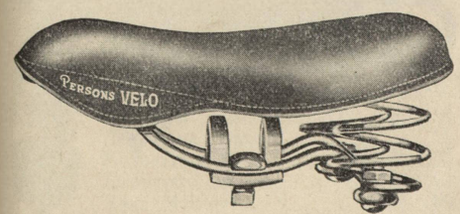
Troxel Scout
Each, $2.25



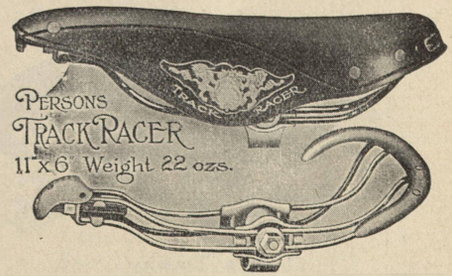
No. 2 Persons Motor Bike
Each, $3.00



Ladies' Comfort
Each, $2.50

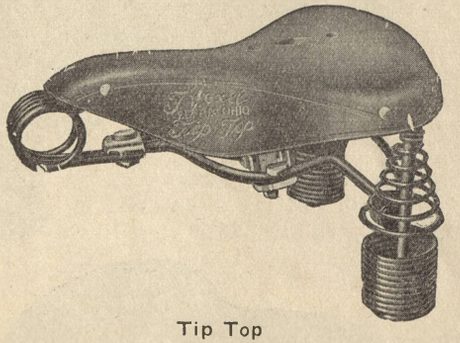


No. 1 Velocipede Saddle
Each, $1.25

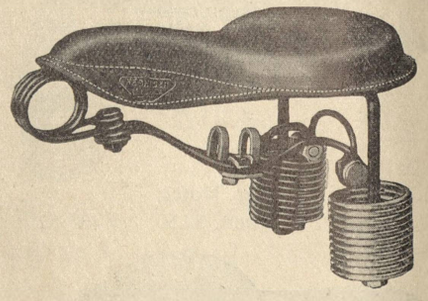


Persons Racer Each, $3.00

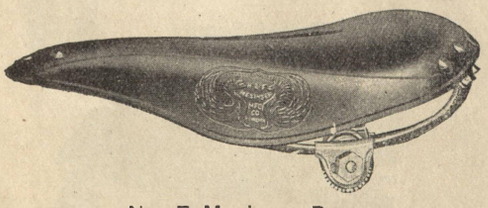
Saddles



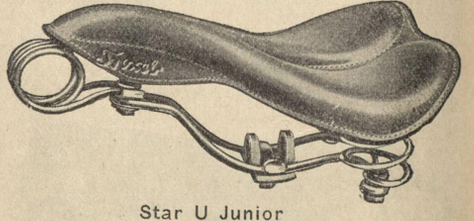
Tip Top
Length 9¾ in. Width 7½ in.
Each, $2.25



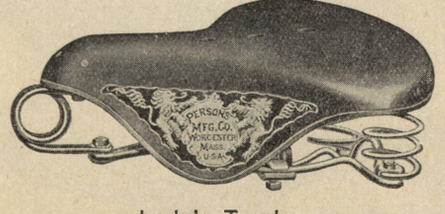
No. 1-2 Juvenile Saddle
Each, $1.75



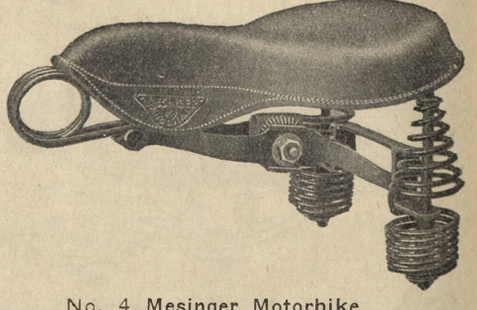
No. E Mesinger Racer
Each, $2.25
Brooks Racer
Each, $6.50



Star U Junior
Each, $1.75
No. C2
Each, $1.75



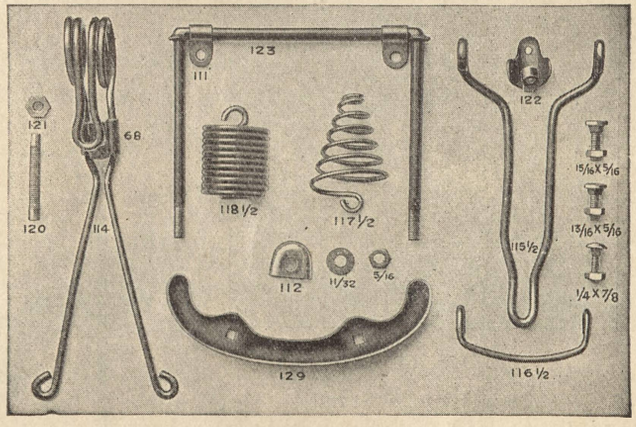
Lady's Trophy
Each, $2.50



No. 4 Mesinger Motorbike
Each, $3.00

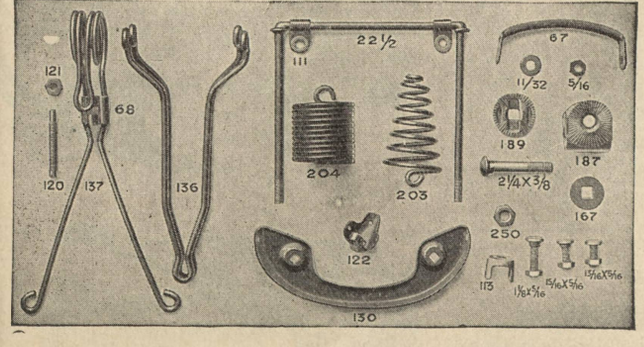
Saddle Parts

Tip Top Parts



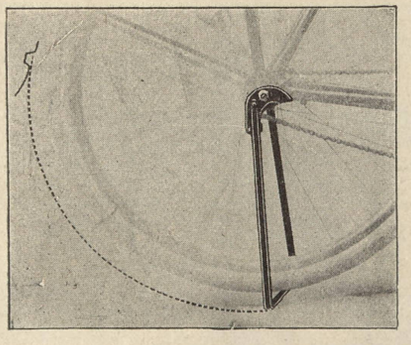
No.		Each
129	Cantle	$0.10
115½	Truss	.30
114	Nose Coil with No. 68 attached	.50
120	Adjusting Screw	.10
121	Adjusting Screw Nut	.06
122	Pommel	.10
123	Yoke for Spring	.10
111	Yoke Clip	.06
118½	Cushion Spring	.30
117½	Spiral Spring	.20
112	Truss Cap, Double Hole	.04
116½	Rear Truss Brace	.10
	Bolts and Nut (specify length)	.12
	Bolt only	.08
	Nut only	.04

Easy Saddle Parts



No.		Each
130	Cantle	$0.20
136	Double Wire Truss	.40
137	Nose Coil with No. 68 attached	.50
120	Adjusting Bolt	.10
121	Adjusting Nut	.06
122	Pommel	.10
67	Rear Brace	.10
22½	Yoke for Springs	.20
111	Yoke Clips	.06
203	Upper Spiral Spring	.20
204	Lower Cushion	.40
113	Truss Cap	.04
187	Clamp Center	.20
189	Clamp Button	.10
167	Clamp Washer	.10
150	Clamp Stud, 2¼ in. x ⅜ in.	.20
250	Clamp Stud Nut	.06
	Yoke Nut	.04
	Bolt and Nut (specify length)	.12

STANDS

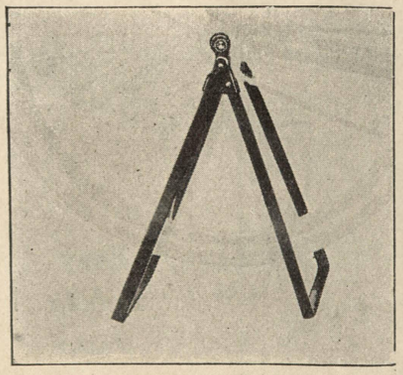


No. 68

Victor Bicycle Stand

Made of strong channel steel, black enamel finish, and is furnished with a spring clip. Can be very easily attached to any make of bicycle.

Price, $0.75



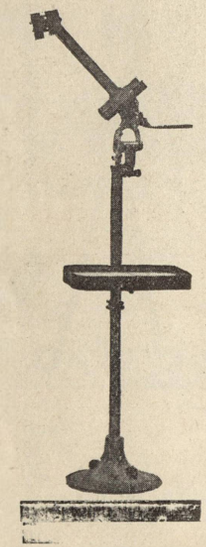
No. 74

Victor Folding Floor Stand

Made of heavy cold rolled steel enameled black. A very handy article for displaying bicycles.

Price. $0.75

Hack Saw Blades
8, 9, 10 and 12-inch.
Each, $0.10



The Liberty Shop Stand

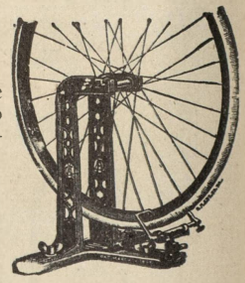
A thoroughly practical device for the bicycle repair shop. Holds the Bicycle firmly in any position. It is adjustable to all positions by a foot lever at the base of stand, leaving both hands free. It has a forked brace which holds front wheel in one position. It also has a tray for receiving tools or parts. Heavily constructed of cast iron and enameled black. Adjustable to all frames —both ladies' and gents'.

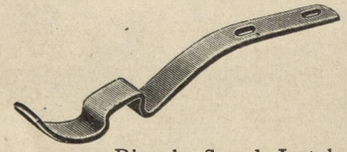
Price, each, $18.00

Dudley's Truing Stand

A practical device to repair and true up a bicycle or motorcycle wheel.

Price, each, $10.00





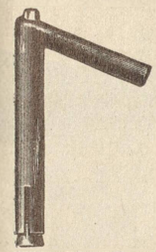
Bicycle Stand Latch
Each 20c

No. 146

Hack Saw Frames

Adjustable Hack Saw Frame, N. P. Takes 8 in. to 12 in. saws

Price, $1.00 each



Seat Posts—Soap, Etc.

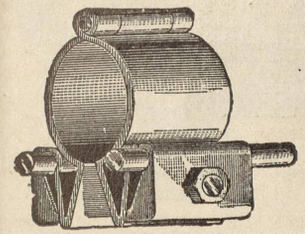
Seat Posts

Long Expander Seat Post

3-4, 13-16, 7-8, 15-16 and 1 inch, each.....90c

3-16 Motobike, plain, each.....90c

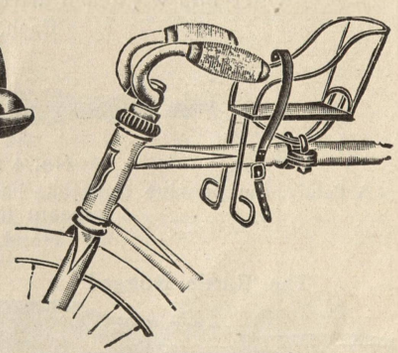
Saddle Clamps



Chalfant Clamps

For clamping saddle onto upper bar of frame, 1 and 1 1-8 inch. Each, 60c

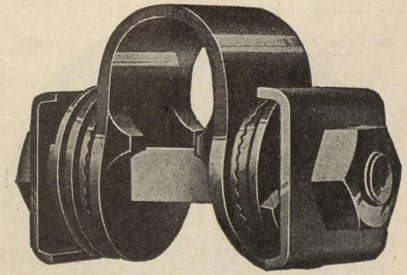
Regular
Each, 25c



The "Security" Child's Seat

This is the safest and most sensible Child's Seat we have ever seen. Made of 1-4 inch rod, all joints electrically welded, with canvas seat.

Price, each, $3.50



Troxel Universal Saddle Clamp
Price, each, 75c

Flash Hand Cleaner

As a hand cleaner there is nothing that can touch FLASH for quality. It is a good seller and a rapid repeater.

3-4 lb. cans, each, 15c

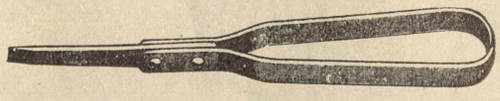
Parko Cleaner
Per can, 25c

Presto Hand Soap

Per can, 15c

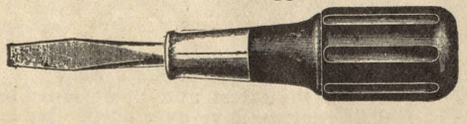
Screw Drivers

Yankee Spiral Screw Drivers
Right and left ratchet.
Three bits with each driver, 2 plain and 1 split for nipples.
Each, $3.50



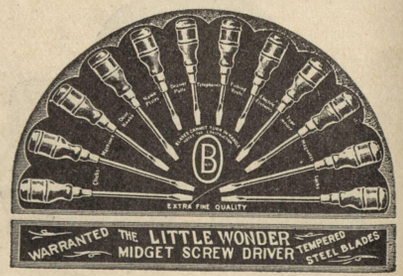
No. 4 Screw Driver
A handy, inexpensive tool that has a hundred uses. Hardened Blade and meant for real service.
No. 4, each, $0.10

The "Little Rugged"

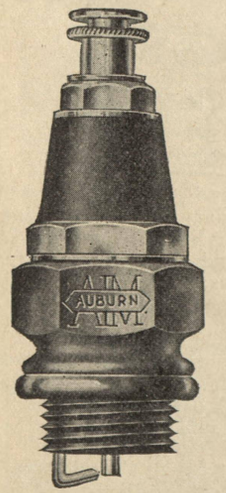


5 inches long, 1 1-2-inch blade.
. Price, $0.20

No. 42 Assortment
Comprising four Drivers of each size, 1 1-4 inch, 2 inch and 3 inch, mounted on a very attractive display card. Price, each.....$0.15

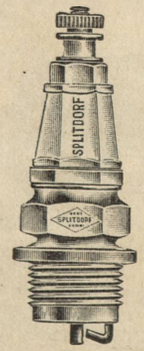


Motorcycle Spark Plugs

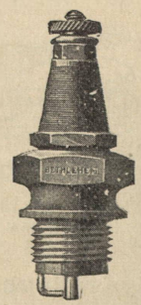


Auburn Mica Motorcycle Plugs
Metric or ⅞
Each, $1.00

The Benton
Metric, ½ inch and 7 8-18
Price, $1.00

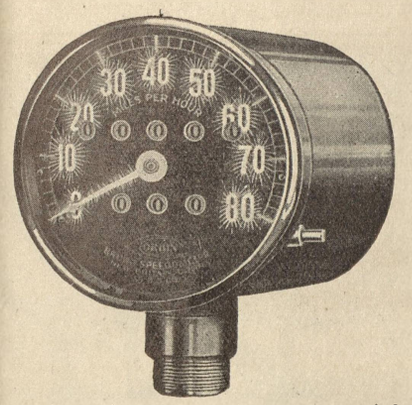


"Splitdorf"
Metric and ⅞
Each, $1.00



Bethlehem Mica Motorcycle
Metric and ⅞-18
Each $1.00

Speedometers—Speedometer Lamps, Etc.



Corbin-Brown Motorcycle Speedometers

Made in Four Models

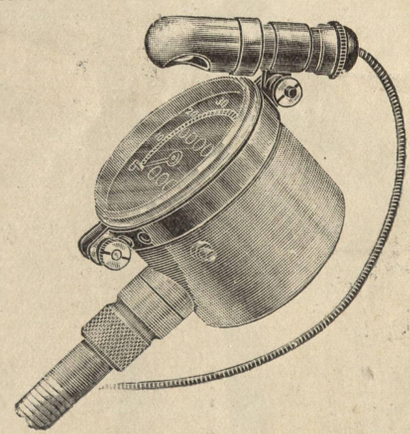
Motorcycle Front or Rear Drive.....$17.00
Same with Maximum Hand..... 19.00
Same with luminous dial..... 20.50
Same with Maximum Hand and Luminous Dial 22.50

The Maximum Speed Hand is found **only** on the Corbin-Brown Speedometer. It fills a long-standing demand for a device that will register the **highest** speed made on a long trip or a short test spurt.

The Luminous Dial—another **exclusive** Corbin feature—makes possible an easy reading of your speedometer **at night.** The hands and figures stand out clearly and show the speed and mileage **at a glance.**

SPEEDOMETER LAMP

The Matchless Speedometer Lamp can be attached to any speedometer and operated from a storage battery. Can be easily detached and used as an emergency trouble lamp. Finished in bright nickel and supplied with tungsten bulb and 2 1-2 feet armored cable. No. 300. For storage battery.....$2.00

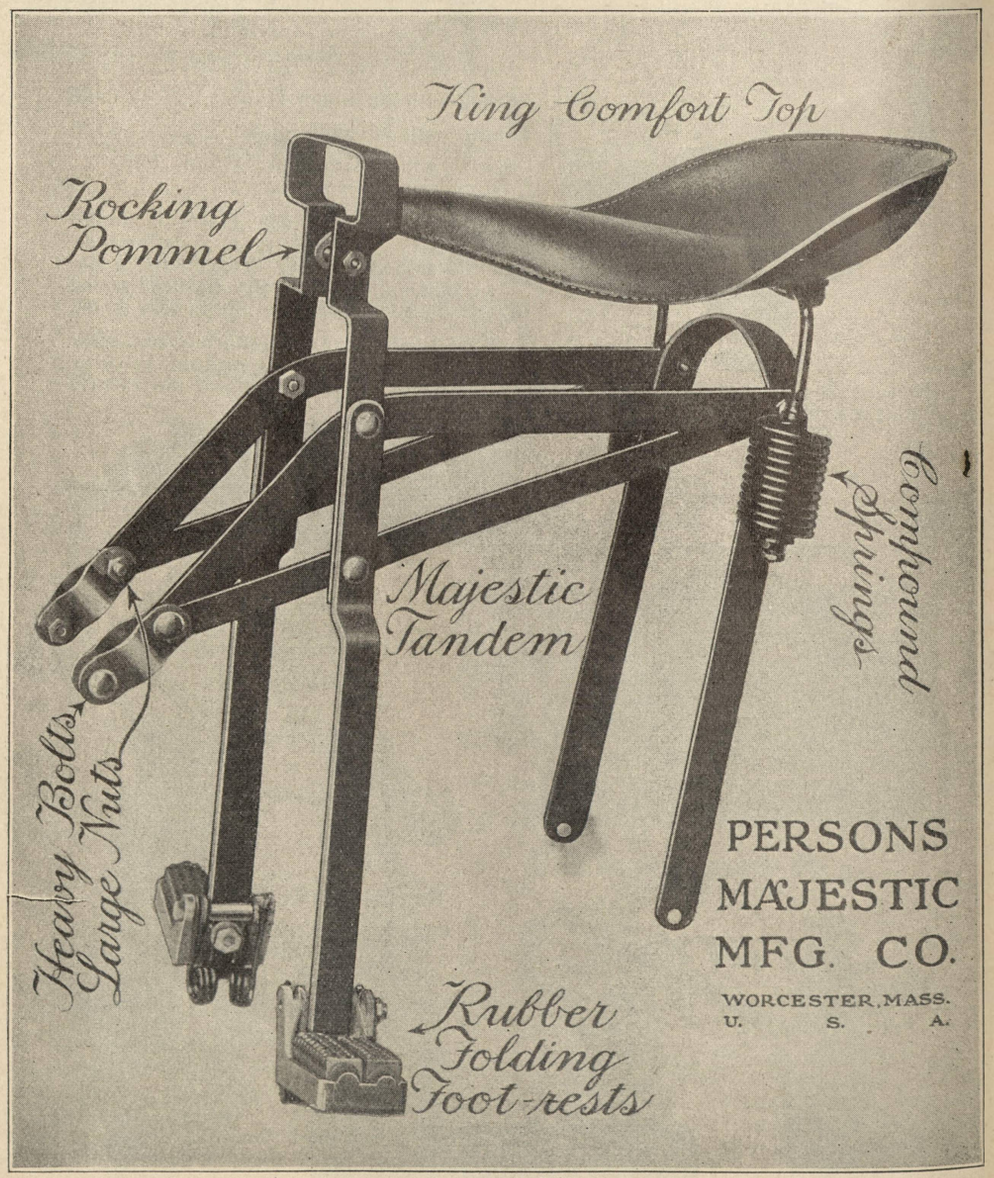


Stevens Handle Bar Cross Rod

The Stevens Cross Rod can be fitted to any style handle bar. It prevents vibration. It also acts as a convenient support for watch holder horn or Presto Tank.
261—For 1 in. Handle Bars, each $2.75

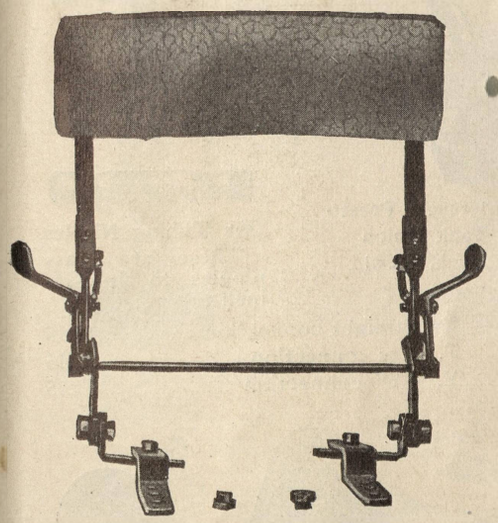
Safety Shock Absorbers for Motorcycle Side Cars
These shock absorbers check the side swing and float the sidecar over bumps and holes. Riding is real comfort. Built for hard usage. Quickly attached.
Per pair $1.75

Tandems



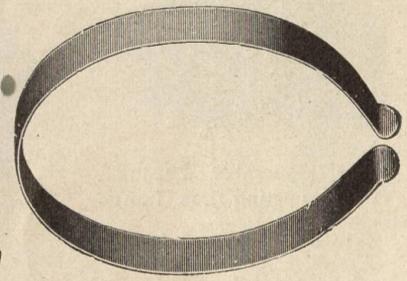
MAJESTIC TANDEM

Rugged construction throughout. Fitted with Persons King Comfort Saddle, with Anti-Vibratory non-concussion springs. Tested from coast to coast.
Price, $15.00

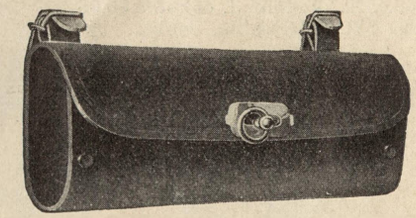


Weed Folding Back Rest

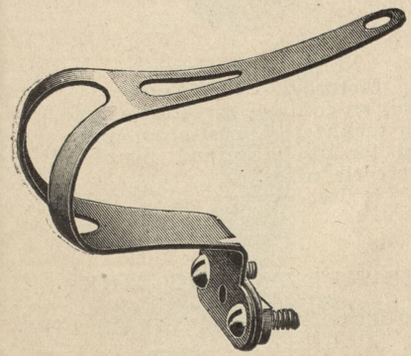
A new patented fitting for the Weed Folding Back Rest. Makes rest adjustable to all machines. **Price $6.00**



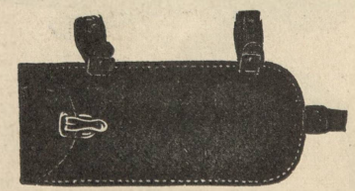
Trouser Guards—Wide Perfection
Price, per pair, $0.10
Cloth covered, per pair, $0.20



No. 50. A popular well designed high grade bag of large carrying capacity. **Price, $0.75**

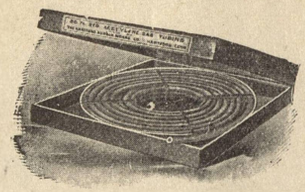


No. 15 Toe Clip
Price, per pair, $0.25

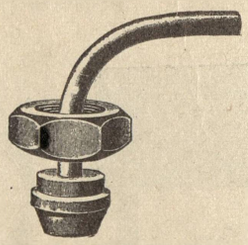


No. 8. A good substantial bag suitable for use on adult and juvenile bicycles. **Price, $0.40**

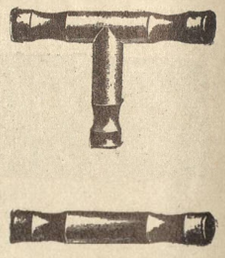
Tubing—Tank Unions—Tire Chains



Rubber Generator Tubing
For connecting gas lamps with generators.
3-16 and 1-4 x 1-16
Price per foot, $0.10
3-16 and 1-4 x 1-8
Price, per foot, $0.15

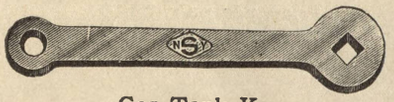


Motorcycle Presto Tank Union
Each, $0.40

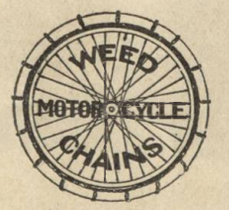


Gas Tubing Nipples
These are brass nipples to fit 3-16-inch tubing:

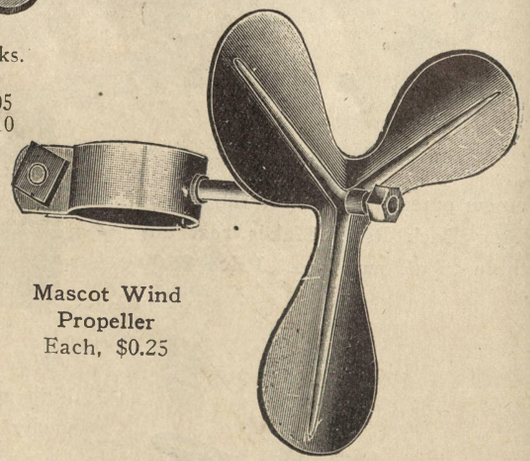
I. Straight connection $0.15
T. Tee connection ..... .15
Y. "Y" connection ..... .15



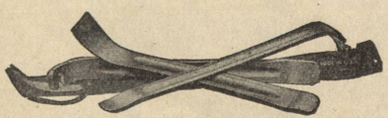
Gas Tank Key
for motorcycle and auto tanks.
Each, $0.05
No. 550. Stamped, each..... $0.05
No. 551. Malleable, each.... .10



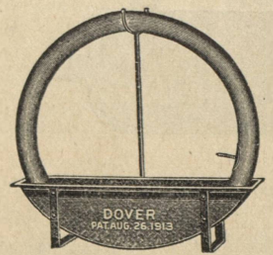
Weed Motorcycle Tire Chains
28x3. Each, $2.50
Cross Chains
3 inch. Each, $0.08



Mascot Wind Propeller
Each, $0.25



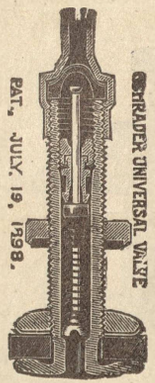
No. 710 Tire Irons
Motorcycle Tire Tools
This set contains three tools made from tough steel, rust-proof finish. Used for applying and removing motorcycle cases.
Price, per set, $0.75



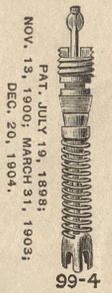
GALVANIZED TIRE TESTING TANK

30 inches long, 6 inches wide and 8 inches deep, suitable for bicycle, motorcycle or automobile inner tubes. Each, $5.00.

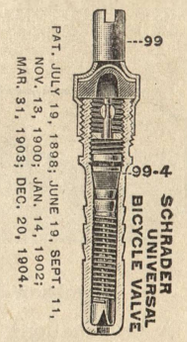
Valves and Valve Parts



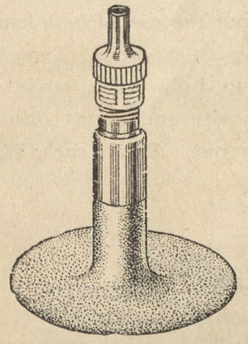
Schrader Shoe Valve
Each, $0.25



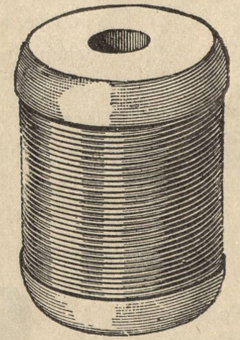
Schrader Inside
Each, $0.08



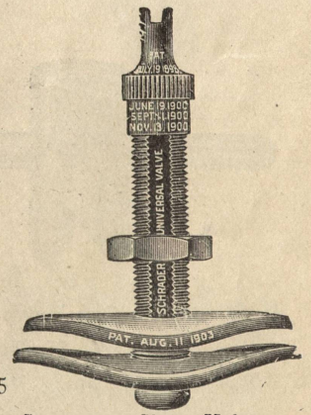
Universal Valve
Each, $0.15



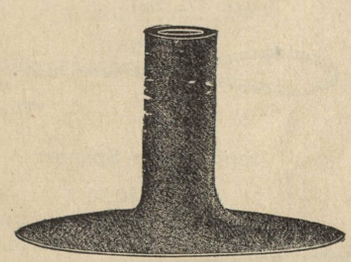
Valve and Stem
Complete. Each, $0.25



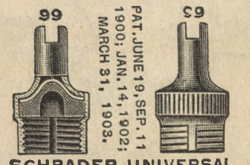
Valve Wire
1-4 lb. spool, each, $0.35



Sampson Shoe Valve
Large and small
Each, $0.30



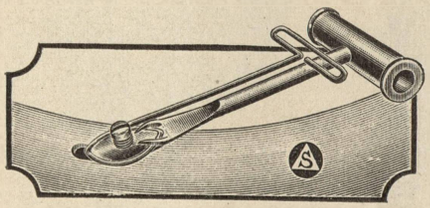
Rubber Valve Stem
Each, $0.10



Bicycle Valves

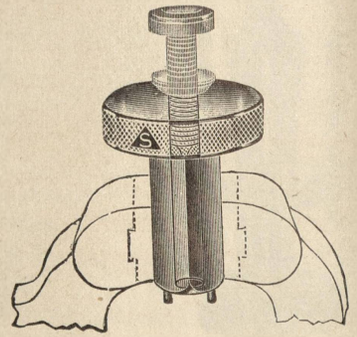
Universal, each $0.15
Insides, each ..... .08
Caps, each ..... .07
Washers, per 100 ..... 2.00

VALVE TOOLS



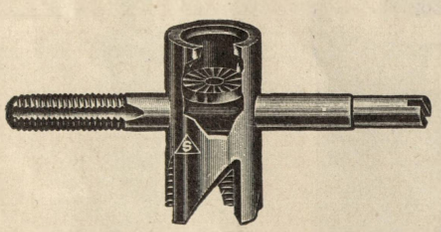
Sampson Valve Tool

A combination for inserting Sampson Valves. Holds the valve base firmly and does not require the use of pliers. Price, set $2.00



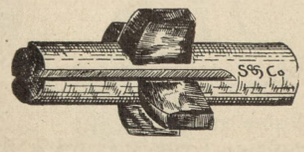
Stevens Round Base Valve Tool

This tool as shown can be clamped in vise, allowing the use of both hands when inserting shoe valve. Threaded on one end to hold valve while inserting. Opposite end forms spanner for tightening nut. Price, each, $1.00



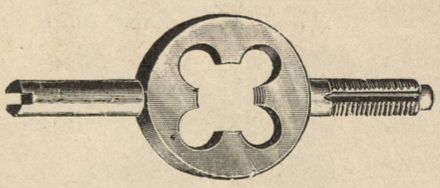
Four in One Valve Tool

Each, $0.30



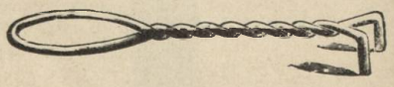
Shoe Valve Countersink

Each, $0.60



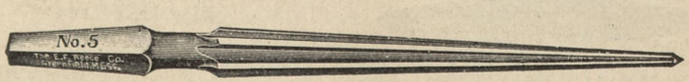
Three in One Valve Tool

Each, $0.25



Shoe Valve Spanner

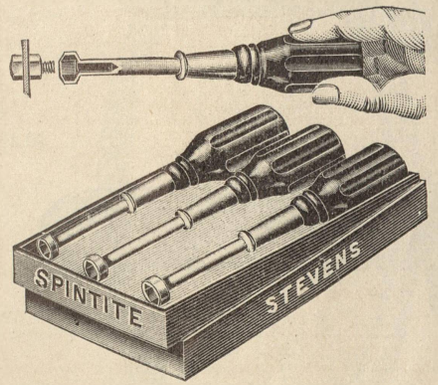
Each, $0.10



Valve Hole Reamer

Each, $1.00

WRENCHES

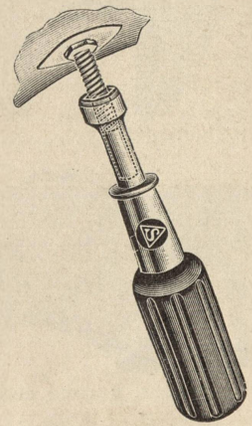


Spintite Radio Wrenches

Made in the following sizes:

Nos. 3, 4, 5 and 6. Each.....$0.35

Nos 7 and 8. Each..... .65

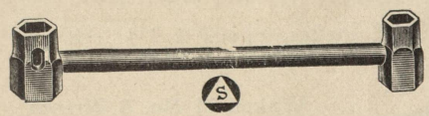


Valve Nut Wrench

Each, $0.75

Pedal Rod Nut Wrench

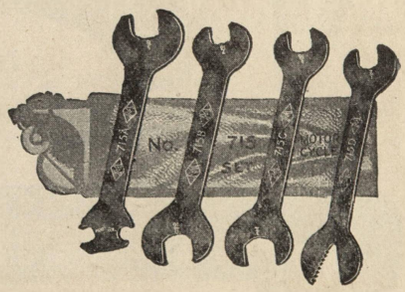
Each, $0.75



Stevens Socket Wrench

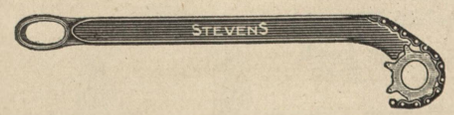
Fits all Bicycle Nuts

Each, $0.75



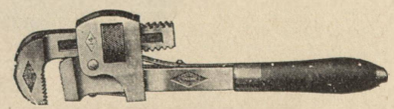
No. 715 M. C. Wrench Set

Per Set, $0.75



Sprocket Wrench

Each. $1.50

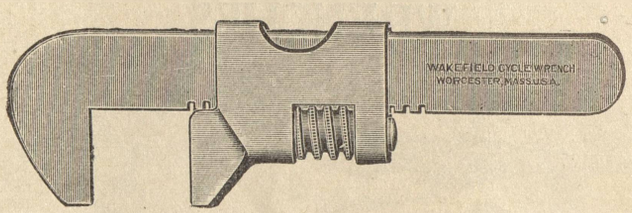


Stillson Pipe Wrenches

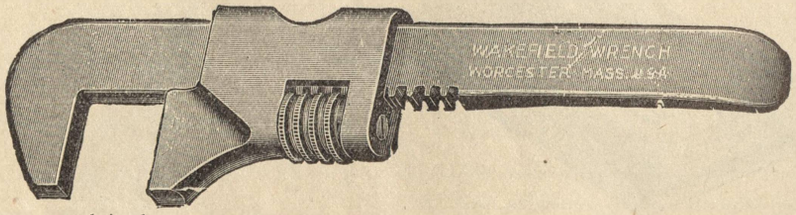
Length Inches

6	8	10	14	18
$2.00	$2.25	$2.50	$3.50	$5.00

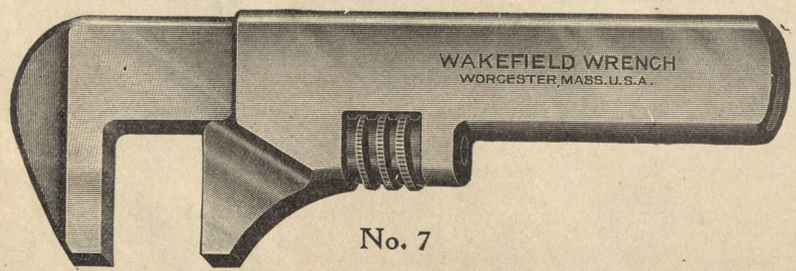
WRENCHES



No. 1. Wakefield Bicycle, satin finish. Each.....$0.25

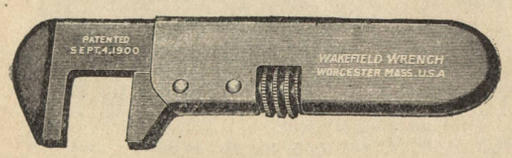


Argonaut, 6 inches, curved end, each.....$0.50



No. 7

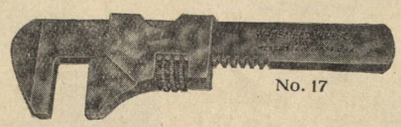
No. 7. Wakefield Wrench, length 5 5-8 inches, opens 2 1-4 inches
Black finish, each.....$0.85



Wakefield No. 8 Wrench

Solid Pressed Steel Handle
Weight 12½ ounces
Length closed, 6 inches
Open, 8 inches

Nickel $1.10



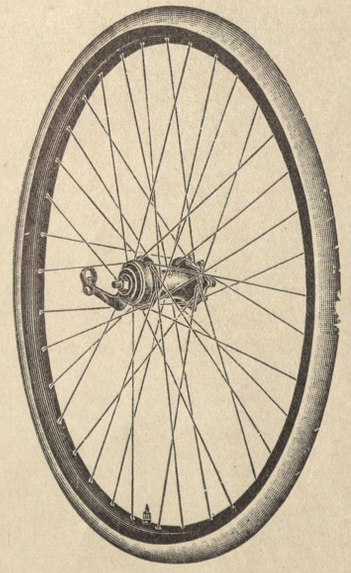
No. 17. Wakefield Wrench

7 inches long, mottle finish
Each $0.60

No. 19. Wakefield Shop Wrench

9 inches long, mottle finish.
Each $0.70

Built-Up Wheels and Coaster Brakes



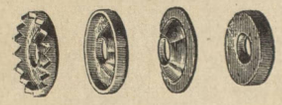
Wheels are built up with standard spokes and nipples, best quality one-piece rim, and our wheels are well built and true. If Diamond E spokes are wanted add 15 cents per wheel.

Hubs

	Pl. Front	Pl. Rear
New Departure	$3.50	$4.00
Corbin, New Departure and Morrow Coaster Brakes		7.50
Corbin Two-Speed		12.50

Wood Rim Washers

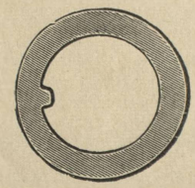
Styles



1 2 3 4

	Per 1000
No. 4—Plain Flat Washer	$0.75
No. 5—Cupped Washer	.75

(Nos. 1, 2 and 3 discontinued.)



Key Washer

Sizes ⅞ and 1 inch.
Each, $0.05

1136
16
6
97

238
360
98
5

New England Distributors
for

Black Beauty Bicycles

Black Beauty *Champion*
Black Beauty *Pony*
Black Beauty *Colt*
Black Beauty *Lady*
Black Beauty *Racer*
Black Beauty *Juvenile*

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